Examining Bindley Field, Hodgeman County Kansas and Surrounding Areas for Productive Lithofacies Using an Artificial Neural Network Model

by

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Abstract

The Meramec member of Mississippian age is a proficient oil and gas producing formation within the midcontinent region of the United States. It is produced in Kansas, Oklahoma, and Texas. In Kansas, 12% of the state's petroleum production comes from Mississippian-aged rocks. Bindley Field, located in central west Kansas, has produced 3,669,283 barrels of oil from one facies within the M2 interval of the Meramec formation. This facies is a grain-supported echinoderm/bryozoan dolostone, of variable thickness. Its sporadic occurrence in the subsurface has made exploring Bindley Field and the surrounding area difficult. The challenge in finding oil in this area is in locating a producible zone of this productive facies.

Previously, Bindley Field has been the subject of detailed reservoir characterization studies (Ebanks et al., 1977; Johnson, 1990; Johnson, 1994). These studies helped to contribute to a better understanding of Meramecian stratigraphy in Kansas. The Meramec was divided into four major depositional sequences, with some of those sequences nonexistent in the subsurface, due to aerial exposure and erosion post-deposition. The Meramecian units were further separated into parasequence-scale chronostratigraphic units based on marine flooding events. The primary producing interval in Bindley Field is the Meramec 2 interval which consists of seven lithotypes, and is recognized to have six, meter-scale depositional cycles (Johnson, 1990). As production from this interval increased, more information became available about controls on reservoir quality. There are still areas, however, where core data do not exist, and predicting the productive facies remains challenging.

The aim of this study is to create a workflow for evaluating the subsurface using regional core and log data from Bindley Field to create a model of the subsurface distribution of the

reservoir facies, which could be extended to data poor areas. Geophysical logs (neutron, gamma ray, guard) along with an artificial neural network (ANN), was used to create an accurate prediction of producing intervals within the subsurface. Values are derived from wire line log data and used to develop the ANN definition of facies distribution within Bindley Field. The ANN model was examined for accuracy and precision using core description and well cuttings from wells within Bindley Field and the surrounding area. Correlations were found between the subsurface geometry of the study area, and the production of oil and gas within the study area. An ANN model with an accuracy of 72% was achieved and applied to wells surrounding the Bindley Field, where reservoir intervals have not been as extensively studied.

A total of 87 wells in Bindley Field and the surrounding 50 square mile area where applied to the ANN model. The model predicted that the productive facies thickens gradually to the northwest of Bindley Field. Cross sections as well as an isopach map were created using the prediction data from the ANN. Finally, an analysis for the accuracy of the ANN and the predicted facies was created. The productive facies yielded an accuracy value of 77%.

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Chapter 1 - Introduction

Bindley Field is a prominent carbonate oil field in Hodgeman County, Kansas; producing 3,669,283 barrels (bbls) of oil through July 2017 (KGS). The discovery of Bindley Field was significant, because it emphasized not only the importance of subsurface structures, but also rock facies as a control on petroleum production (Ebanks et al., 1977). In 1972, the discovery well in Bindley Field was drilled, originally named the Oasis 1, and now changed to the Deutsch 1. Successful production of the Deutsch 1 discovery well initiated the extensive exploration throughout the surrounding area that continues to this day (Ebanks et al., 1977).

According to the Kansas Geological Survey (KGS) well database, to date, Bindley Field has had 47 producing wells and 21 non-producing dry holes drilled. Of the 47 producing wells, 19 have been plugged and 6 wells have been converted from producing wells to enhanced oil recovery (EOR) wells. A small increase in producing rates was seen after EOR operations commenced (Figure 1), but enhanced recovery has not been as successful as in nearby fields. The challenge in developing, or in establishing enhanced recovery in, a field that is dependent upon stratigraphic variations of a particular carbonate lithofacies, is the difficulty in predicting the distribution of the productive facies (Ebanks, 1991). Bindley Field is an example of why it is essential, in petroleum production, to understand distribution of rock facies and their associated rock properties.

Previously, Bindley Field has been the subject of detailed reservoir characterization studies (Ebanks et al., 1977; Johnson, 1990; Johnson, 1994). These studies helped to contribute to a better understanding of Meramecian stratigraphy in Kansas. The Meramec was divided into four major depositional sequences, with some of those sequences nonexistent in the subsurface, due to aerial exposure and erosion post-deposition. The Meramecian units were further

separated into parasequence-scale chronostratigraphic units based on marine flooding events. The primary producing interval in Bindley Field is the Meramec 2 interval which consists of seven lithotypes, and is recognized to have six, meter-scale depositional cycles (Johnson, 1990). As production from this interval increased, more information became available about controls on reservoir quality. There are still areas, however, where core data do not exist, and predicting the productive facies remains challenging.

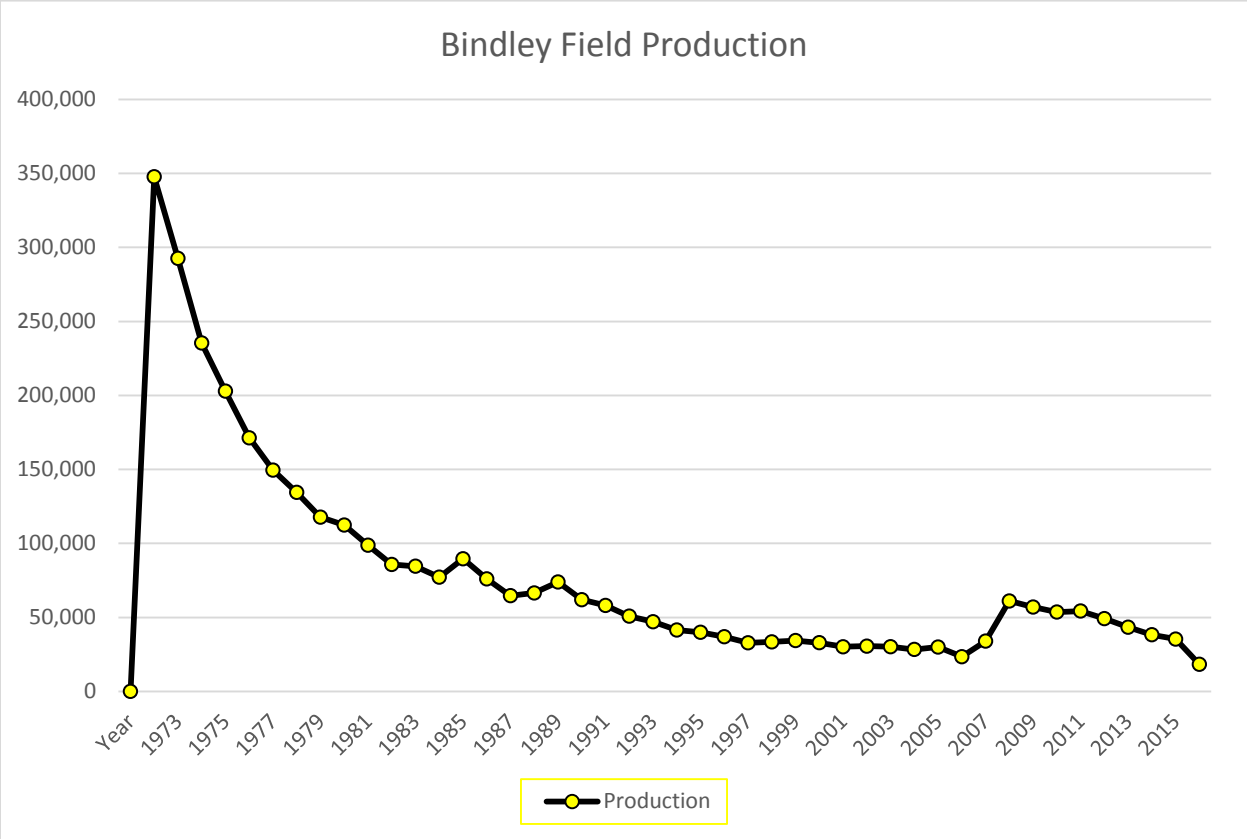

Figure 1: Production over the life of Bindley Field. The field shows a dramatic decline until 2008 when enhanced secondary recovery methods were implemented. EOR added a short burst of production to Bindley Field production, but only productive wells near injection wells experienced significant returns from the waterflood recovery (KGS).

In recent years, artificial neural networks (ANN) have become more prevalent in the petroleum industry for analyzing big data packages and queries, as computer science continues to be utilized for various, intricate functions (Ali, 1994). Subjects include direct application of

ANN for common reservoir measurements such as permeability, water saturation, and prediction of seismic characteristics; to name a few (Rogers et al., 1995; Mohamed, 2014; Hermana et al., 2012). Outside of the field of petroleum geology, ANN are being implemented in a plethora of forms and applications ranging from detecting structural damage on buildings (Wu, 1992) to deciphering genetic patterns (Widrow, 2017). The purpose of this study is to construct a hidden layer ANN to predict where the productive lithofacies occur in Mississippian-aged rocks in northwestern Hodgeman County, Kansas. A more thorough explanation of ANNs will be provided in the Methods section.

The scope of the study begins with training of an ANN using available core and wireline log data from Bindley Field. The trained ANN model is subsequently applied to an extended area outside of Bindley Field. The area encompassed by this study is all of Township 21S Range 24W (T21S R24W), the eastern portion of T21S R25W, and the northern-most part of T22S R24W. The availability of data controls where the ANN can be applied within the study area. A township contains 36 square miles, but because of the sparse availability of data, the range of the predicted area is about 8 miles from Bindley Field. Previous studies have postulated that distance from where a trained ANN is applied, influences the accuracy of the predicted output. (Martin, 2015; Reece, 2016). This study will report on the accuracy of the applied ANN, but the focus of this work is to predict where the productive facies occurs. For this study, the productive facies is an echinoderm-bryozoan dolopackstone/dolograinstone of the Mississippian-aged M2 interval of the Meramecian stage system, further explained in the following section. Wells within this study area are disbursed roughly within an 8-mile radius. The entire study encompasses Bindley, Hummel, Hummel Southeast, Stairett, Stairett East and Goebel Fields (Figure 2). Nearly 800 wells were examined and 87 wells throughout this area were incorporated into the ANN model.

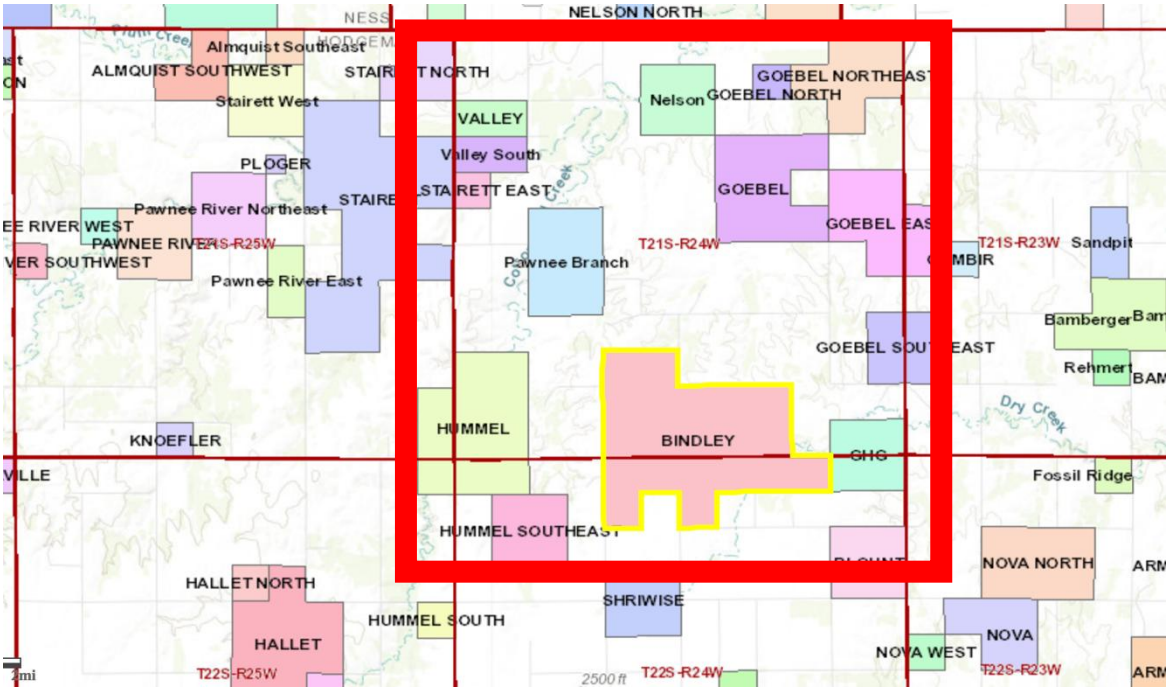

Figure 2: Map outline of the study area in red with oil and gas fields from which wireline log data was used. Bindley field is outlined in yellow (KGS, 2017).

Chapter 2 - Geologic Background

The study area is located in northwestern Hodgeman County, western Kansas. It sits on the northeastern portion of the Hugoton Embayment, a low relief extension of the Anadarko basin, which stretches throughout parts of Kansas, Oklahoma and Texas (Figure 3) (Goebel, 1968). Today, this area in Hodgeman County is primarily used for agricultural purposes.

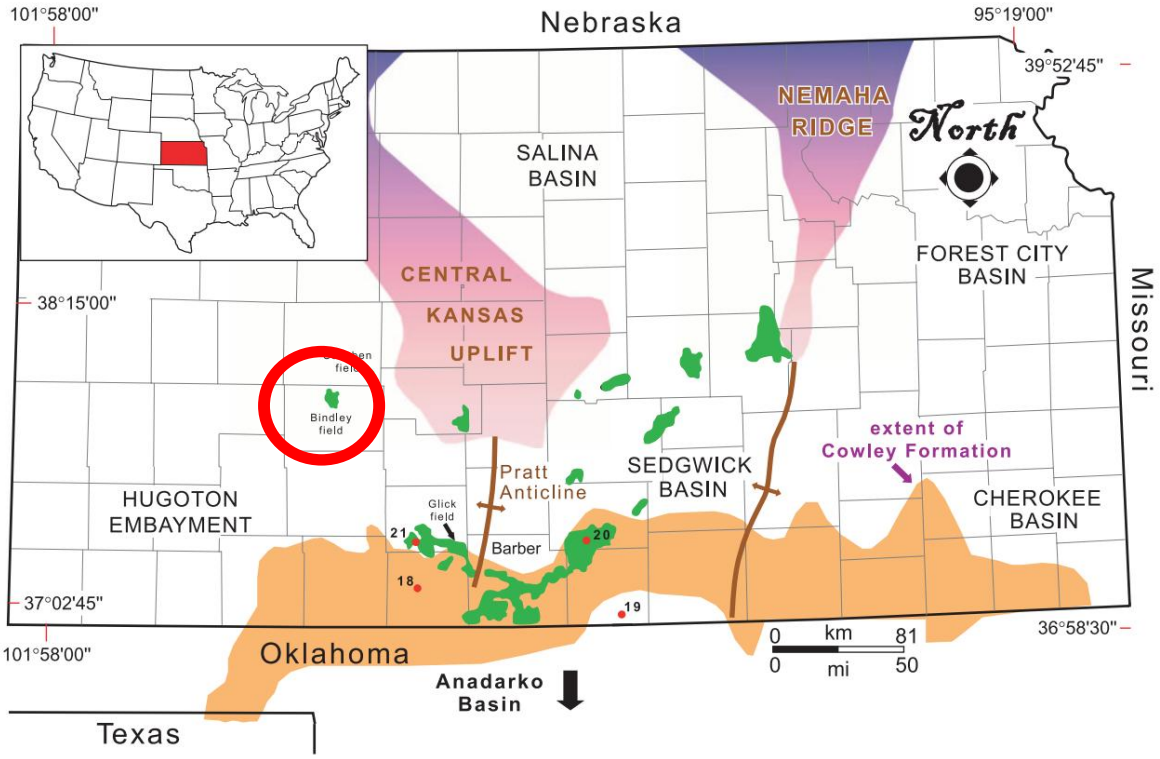

Figure 3: Map of Kansas showing the extent of the Hugoton Embayment, and Central Kansas Uplift. Bindley Field within red circle. Image modified from Mazzullo et al, 2009.

Paleogeography

Research to date on the Bindley Field and surrounding area has been limited to reservoir characterizations. Johnson (1994) defined the stratigraphy of Bindley Field, and commented on depositional sequences, but a comprehensive paleogeographic model has yet to be developed. Franseen (2006) examined the Schaben field, which is in the southwest corner of T19S R22W,

T19S R21W, T20S R22W, and T20S R21W, roughly 15 miles from Bindley Field. The Schaben Field is also a significant oil and gas discovery in Kansas, producing from Mississippian-aged rocks (Adkins-Helieson et al., 1999). In fact, the same facies described in Bindley Field are also described in the Schaben Field (Franseen, 2006; Mazzullo, 2009; Johnson 1990). Due to the proximity of the two fields, and the presence of similar facies, the depositional history of the Schaben Field will be summarized to better understand the paleogeologic conditions that led to deposition of the carbonate rocks that are key to this study.

During the Mississippian period, Kansas was situated at about 20^{o} n a tropical to sub-tropical setting (Figure 4) (Franseen, 2006). The study area is located on the flank of the Central Kansas uplift (Figure 3), which was subaerially exposed and experienced minor tectonic events beginning in the early Mississippian period (Watney et al., 2001) The Ouachita orogenic event in the Late Mississippian-Early Pennsylvanian uplifted a large region from the southwest of the Central Kansas Uplift to Texas. Subaerial exposure during that time caused significant erosion, resulting in the unconformity that separates Mississippian and Pennsylvanian rocks regionally (Franseen 2006). Meramecian-stage deposition is dominated by shallow shelf carbonates. The study area lies within the inner shelf facies, and is defined by the presence of limestones, dolomite, and cherts (figure 5) (Lane and DeKeyser, 1980). Fossiliferous burrowed lime wackestones and mudstones, packstone and grainstones, as well as biosiliceous and heterozoan carbonate accumulations are expressed in the study area and represent inner to middle shelf deposition (Figure 5). (Franseen, 2006; Montgomery et al., 1998; Johnson, 1994)

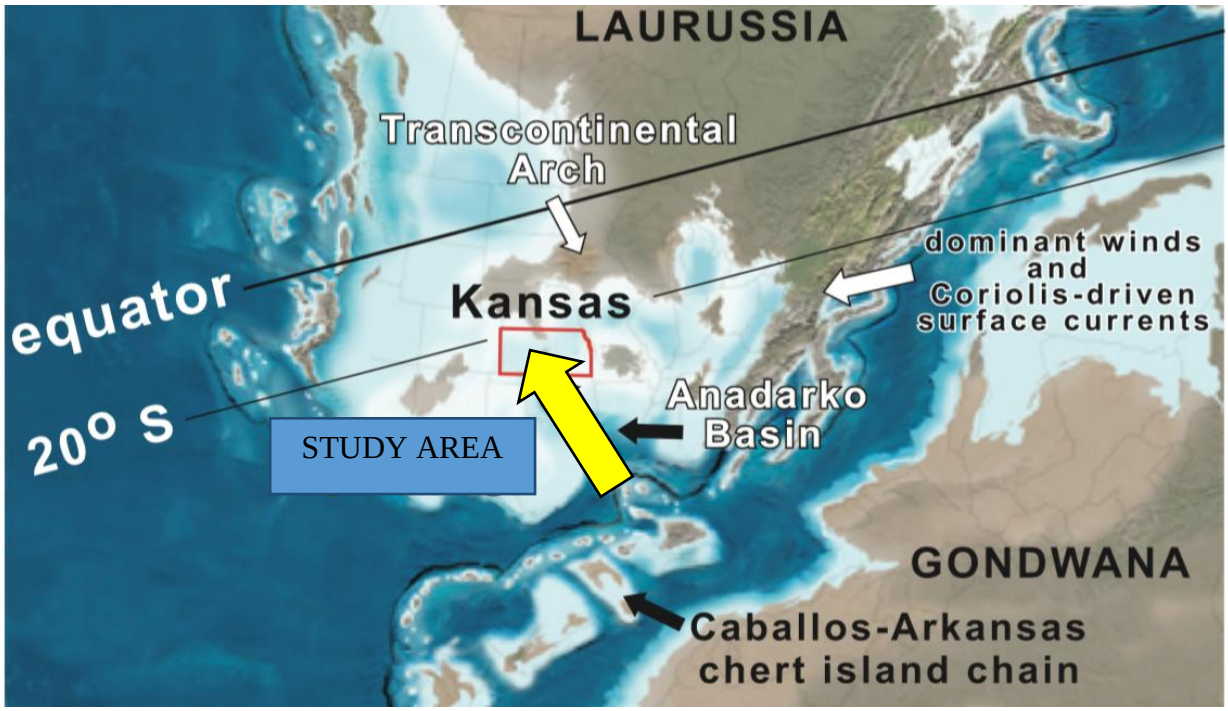

Figure 4: Position of Kansas during the Mississippian period, image modified from Mazzullo et al (2009)

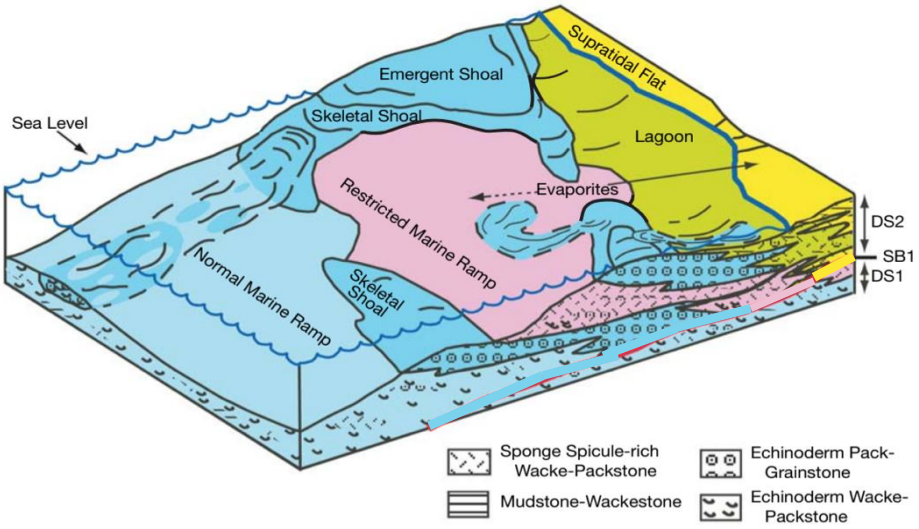

Figure 5: Shelf/ramp depositional environments represented in Bindley Field. Image modified from Franseen (2006)

Franseen (2006) hypothesizes that two depositional sequences interrupted by one period of subaerial exposure is responsible for the observed stratigraphy of the Mississippian period in western Kansas. Both depositional sequences share common rock types, but both have unique characteristics pertaining to each facies found within each sequence, including similar amounts of heterozoan and spiculitic units.

The first depositional sequence (DS1) contains evidence of significant reworking of facies that contain echinoderm-dominated facies. Bryozoans, sponge spicules, brachiopods, coral, and gastropods are all evident within this depositional sequence. The presence of these organisms suggests shallow subtidal to normal-marine environments (Franseen, 2006). Many of the sedimentary structures within the first depositional sequence have been destroyed by bioturbation and reworking. Mudstone – wackestone and packstone/grainstone interbedding suggests that fluctuating energy conditions dominated this period of deposition (Franseen, 2006). A gradual increase of facies containing evaporites is likely due to shallowing leading to the subaerial exposure event that separates depositional sequence 1 from depositional sequence 2 (Franseen, 2006). Johnson and Budd (1994) mirror this interpretation in their description of Bindley Field facies as they suggest that dolomudstones, dolowackestones, dolopackestones, and dolograinstones are representative of a low to high energy shelf, with periodic winnowing due to storms. Johnson and Budd (1994) also note the increase in spicule-rich dolomudstone facies, which they interpret as due to an increasing restriction on the marine environment as well as additional stress introduced on the normal marine fauna. This interpretation agrees with Franseen (2006) for the Schaben field only a few miles away from the Bindley Field study area.

The contact between depositional sequence 2 (DS2) and DS1 is marked by an unconformity. The subaerial exposure event is marked with angular to subangular breccias and

evaporitic deposits. Following the subaerial exposure event, marine conditions return with an abundance of siliceous sponge-spicule facies and heterozoan carbonate deposits that formed in a shallow sea environment (Franseen, 2006). DS2 is unlike DS1 in that it contains more sponge-spiculitic wackestone and packstone facies. The marked difference in the abundance of sponges in DS2 represents the restriction of the marine environment into conditions that allowed sponges to thrive (Franseen, 2006). DS2 is differentiated from DS1 by the characteristic wavy laminations and alternating patterns of grain rich and grain poor layers. Theses layers exhibit less reworking than the layers within DS1 (Franseen, 2006). These thin interbedded alternating layers represent the change from a restricted environment to a more open environment as sea levels rose, and migration of subtidal shoals affected the abundant heterozoan life (Franseen, 2006).

Localized Stratigraphy

Ebanks et al. (1977) described the rocks within Bindley Field based on lithostratigraphy. The producing interval was described as a bryozoan dolomite. Johnson (1990) revised the stratigraphy in the area using a chronostratigraphic and lithostratigraphic approach. This section will summarize Johnson's (1990) stratigraphy of Bindley Field. To avoid confusion, Johnson's numbering scheme will be used throughout when specific facies are described.

The Meramec formation of the Mississippian sub-period sits conformably above the Osage formation. The Meramec is divided into four members with the M1 interval beginning at the base of the formation and ascending, in order, to the M2, M3, and M4 members. The M4 is eroded and not commonly found in most of the study area. Within Bindley Field, the M3 is truncated and sits unconformably below the Pennsylvanian. The M2 is the producing interval

throughout the study area, and will be the focus of this study (Johnson 1990, 1994). Therefore, only lithotypes occurring in the M2 interval will be characterized.

Johnson described six different stratified zones within the M2 interval. These six different zones represent six depositional cycles, with each cycle being capped by a thin layer of low permeable dolostone (Figure 6). These depositional cycles represent different parasequences within the Meramecian interval. Parasequences are genetically related beds or bedsets, which are thought to be comformable, separated by a marine flooding surface (Van Wagoner et al., 1988). The permeable producing zone occurs at the bottom of four of the six intervals, and is specific to a single lithotype, which Johnson (1990) considered a subset of Ebanks et al. (1977) bryozoan dolomite facies. The six specific intervals are bracketed by gamma ray spikes on well logs of the area (Figure 6). The six intervals are consistent with marine shelf lithotypes, and are capped by a thin layer of evaporitic dolomudstone (Johnson, 1990). The lithotypes described at Bindley Field by Johnson (1990) are the same lithotypes described in broader detail by Franseen (2006). Johnson (1994) describes the producing interval as fluctuating between 3 to12 inches in thickness in Bindley Field, with the thickest sections occurring in the middle of the field (Figure 7).

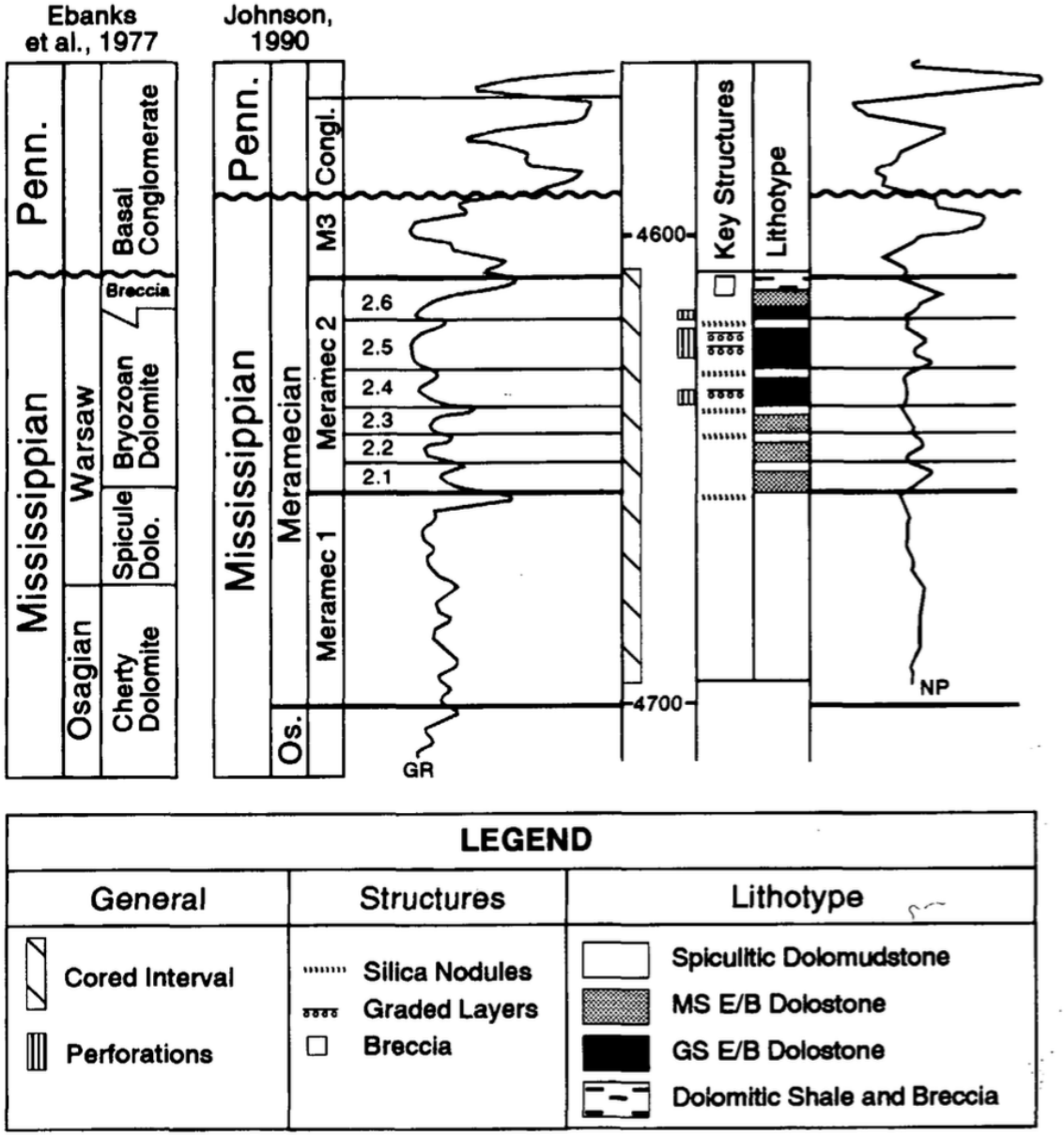

Figure 6: Gamma ray response from the Oasis 1 Deutsch from Bindley Field. Each depositional cycle is marked with a spike in the gamma ray. This pattern is seen in logs throughout the study area. Ebanks et al. (1977) and Johnsons (1990) lithologic characterizations are available for comparison. Figure modified from Johnson (1994).

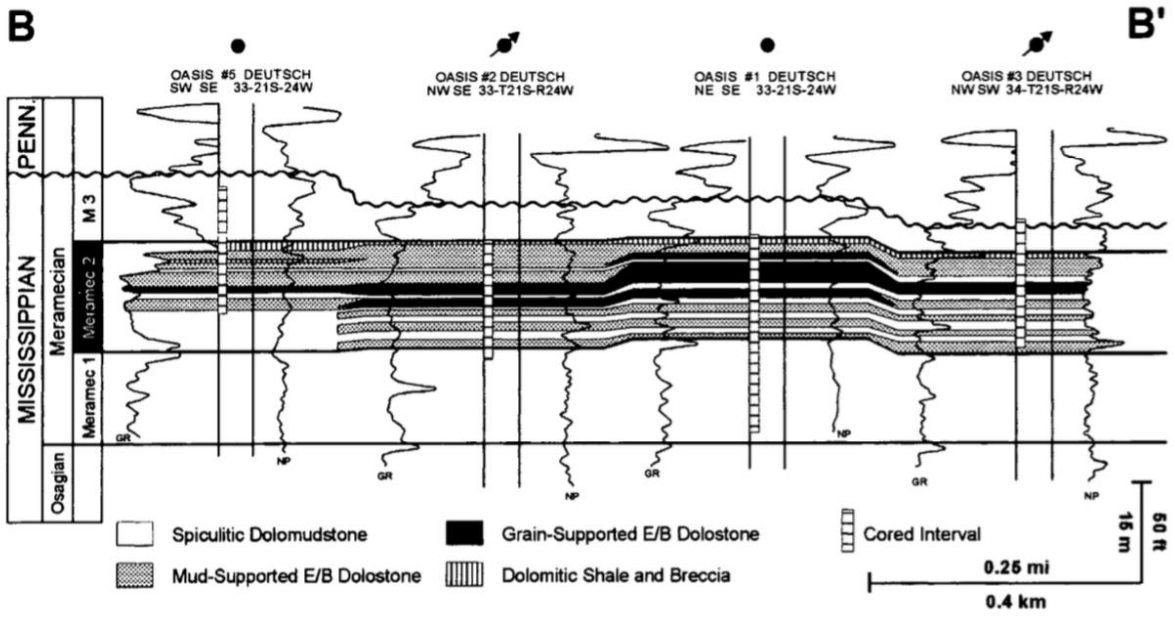

Figure 7: Cross section through the center of Bindley Field showing the distribution of the producing facies in the field. Figure modified from Johnson (1994).

Lithofacies

Lithotype 2

Lithotype 2 is primarily composed of spicule-rich dolomudstone, with notable structures of thin burrowing (less than 1 in.), thin gradual layers, sponge spicules, and spicule molds and chalcedony/quartz nodules. This facies represents a low energy, sub-tidal environment, fluctuating from restrictive to evaporitic conditions (figure 5). The presence of sponge spicules, low diversity allochems, and clay minerals are indicative of restricted, low-energy environments. The observed chalcedony/quartz nodules likely represent replacement of evaporitic structures during diagenetic (Johnson, 1990).

Lithotype 4

Lithotype 4 is divided into four sub-categories, all with abundant echinoderm and bryozoan bioclasts. The four sub-categories are dolomudstone (4A), dolowackestone (4B), dolopackstone/grainstone (4C) and a lime grainstone (4D). Facies 4C represents the productive facies in the study area. All facies exhibit diverse allochem grains, but echinoderm and fenestrate bryozoan fragments are the primary constituents within the facies. Lithotype 4 has common graded layers, typically prograding into muddier layers, with sequences that repeat every 4 to 8 inches. This lithotype is highly bioturbated and represents a normal marine shelf environment. The repeated graded layers are consistent with storm deposition. The bioturbation and diverse organisms found within these facies is consistent with an open marine environment. The sub-types collectively represent a range of energy conditions, with 4A representing lower energy conditions, whereas the larger grain sizes exhibited in the 4C and 4D lithotypes are indicative of higher energy environments. Lithotype 4C and 4D were found to be the thickest near the center of Bindley Field, grading laterally into mud-supported lithotypes further away from the center of the field (Johnson, 1990).

Lithotype 5

Lithotype 5 is the top layer of the M2 interval, primarily consisting of argillaceous mudstone that is thickest at the flanks of Bindley Field. Clay content of the argillaceous mudstone is variable and contains minor skeletal fragments of sponge spicules. Chalecedony/quartz fragments have also been observed in this lithotype, although in low abundance. The lack of variety of skeletal allochems, and the notable presence of clay, suggests a low-energy lagoonal environment (Johnson, 1990).

Lithotype 6

Lithotype 6 is primarily composed of breccia with poorly-sorted angular to sub-angular clasts; which are comprised of lithified fragments of clasts from lithotypes 5, 4 and 2. The matrix consists of a green mud, with traces of silt to sand-sized grains, while the breccia clasts characteristically range from sand to boulder size. This lithotype is typically found below the sub-Pennsylvanian unconformity. Brecciation is likely a result of an influx of fresh water during events of exposure from non-deposition (Johnson, 1990). A summary of all lithotypes can be seen in Table 1.

Descriptive Name	Lithotype No.*	Lithology	Fauna	Sedimentary Features	Environmental Interpretation	Ebanks et al., 1977 Facies
Spiculitic Dolomudstone	2	Spiculitic Dolomudstone	Monaxon sponge spicules and molds; sparse echinoderm and bryozoan fragments.	Small horizontal burrows; indistinct burrow mottling; horizontal layers of vertically aligned silica nodules, enterolithic silica nodules, and isolated subround silica nodules.	Subtidal; restricted to evaporitic, low energy setting.	Spicule Dolomite
Mud-supported E/B Dolostone	4A	Echinoderm-Bryozoan Dolomudstone	Echinoderm fragments, fenestrate bryozoa, sparse monaxon sponge spicules.	Bioturbation common.	Subtidal; normal marine to slightly restricted, low energy setting	Bryozoan Dolomite
	4B	Echinoderm-Bryozoan Dolowackestone	Echinoderm fragments, fenestrate bryozoa.	Bioturbation common.	Subtidal; normal marine, low energy setting.	Bryozoan Dolomite
Grain-supported E/B Dolostone	4C	Echinoderm-Bryozoan Dolopackstone/ Dolograinstone	Echinoderm fragments, fenestrate bryozoa, ramose bryozoa and brachiopods common; pelecypods and forams present.	4 to 8 inch (10-20 cm) thick, fining-up graded layers with scoured basal contacts common; vertical burrows, paricularly at tops of graded layers; sparse dolomudstone intraclasts.	Subtidal; normal marine, high-energy storm deposits.	Bryozoan Dolomite
E/B Lime Grainstone	4D	Echinoderm-Bryozoan Lime Grainstone	Echinoderm fragments, fenestrate bryozoa, ramose bryozoa and brachiopods common; pelecypods and forams present.	4 to 8 inch (10-20 cm) thick, fining-up graded layers with scoured basal contacts common; vertical burrows, paricularly at tops of graded layers.	Subtidal; normal marine, high-energy storm deposits.	Crinoid-Bryozoan Lime Grainstone
Dolomitic Shale	5	Argillaceous Dolomudstone-Dolomitic Shale	Rare monaxon sponge spicules and fenestrate bryozoa.	Thin, wavy laminate of shale-rich and shale-poor composition; amorphous organics; sparse isolated subround silica nodules; subangular quartz silt; compacted horizontal burrows.	Subtidal; brackish to evaporitic, lagoonal setting.	Conglomeratic Shale
Breccia	6	Breccia		Poorly sorted, angular to subangular, sand to boulder sized clasts of Lithotype 2 and 4 in fitted, chaotic mosaics; silty and sandy clay matrix and clay-filled solution widened, vertical fractures.	Diagenetic karst breccia	Breccia and Conglomeratic Shale

Table 1: Johnson's (1990) description of lithotypes found within Bindley Field with Ebanks et al. (1977) original descriptions. Table modified from Johnson 1990.

Chapter 3 - Methods

Methods used for this study include core evaluation, well log analysis, handheld X-Ray Fluorescence (XRF), well cutting evaluation, neural network analysis (Kipling2.xla), and Petra geologic mapping software.

Core Analysis

Bindley Field has a total of 18 available Meramecian-interval cores. The intention of this study is not to redefine the stratigraphic framework, since it was already described by Johnson (1990, 1994). Therefore, only four well cores were examined in detail. The four wells were: Oasis 1 Deutsch (15-083-20234), Oasis 2 Deutsch (15-083-20236), Oasis 3 Deutsch (15-083-20243) and Oasis 5 Deutsch (15-083-20252). All four cores were examined in-house at the KGS facility in Lawrence, Kansas. The discovery well core, the Deutsch 1, was transported to Kansas State for XRF analysis.

Photographs of the core were taken of the Oasis 3 Deutsch to record where facies changes occurred, and to tie the cored interval back to each well's associated log. The four wells with known facies distribution became the base wells used to train the neural network model. Each of the six lithofacies within the Meramecian reported by Johnson (1994) was correlated to the specific well logs with up to one foot accuracy. Core work was also used in creating the ANN. Core facies were used in the training process which will be discussed later in the Methods. Johnson and Budd's (1994) reservoir characterization described three Meramecian intervals and identified the middle zone (M2) as the zone of production for oil and gas.

Once the Deutsch 1 core was transported from the KGS to the lab, the entire Meramecian section was subsequently reexamined and described according to the AAPG guidelines of

Swanson (1981). Only the 125 feet of the cored interval through the Mississippi was viewed, with all textural and lithologic changes observed and noted; as provisions when checking the accuracy of the Deutsch 1 suite of well logs.

Well Log Analysis

Bindley Field lends itself to neural network evaluation because of the large amount of well data available from recorded well logs taken from and around the field. Neural network evaluation requires that all well logs exhibit the same type of log curve on the same scale. While a number of logs are available, the most widely available logs were used to create the most precise and robust neural network possible. The gamma ray, bulk density and resistivity curves were chosen as the three major curves for facies evaluation, as they were the most common curves used for analyzing the degree of sensitivity to changes in rock properties, as they estimate lithology, fluid type, and porosity; three vital characteristics that can be used to evaluate a reservoir. These curves were chosen, because they are the most consistent among the available logs in the study area.

Petra® Geologic Interpretation Software

A Petra® mapping project was created using all the wells found within Bindley Field and the surrounding area. Given that many of the logs from the study area were not available in Log ASCII Standard (LAS) digital format, over 300 logs were hand-digitized with Petra® geologic interpretation software. Digitization in Petra® requires the uploading of a raster copy of the log. The log is then straightened within the program, and the required track is selected and scaled

within Petra. Finally, the log must be manually traced by clicking a trail of points within the interval of interest. After a log is digitized, it is then uploaded and saved under its specific American Petroleum Institute (API) number within Petra® (see Appendix A). Not every well was completed or logged in the interval of interest. Therefore, well logs were evaluated by the presence of the Meramecian and whether the M2 interval could be evaluated within the Meramecian. Any inclusion of an interval besides the productive M2 interval had the potential to throw off the ANN model by including unnecessary facies not found within the M2 interval. The accuracy of the M2 interval picked on each log was improved using Johnson's descriptions of intervals, matching the wireline signatures with images of the available core, combined with the driller's logs and completion reports. Most wells had raster log curves that had to be imported into Petra and then subsequently digitized and uploaded to LAS format. Data criteria filters including log type, and interval logged, were placed on all the 450 imported wells, in order to focus only on wells that contained well log data of the M2 interval of the Mississippian. Operators typically only list the Mississippian formation on well completion reports and drilling logs, so each well had to be examined to located the M2 interval in each log. Furthermore, only wells that contained the gamma ray, bulk density and resistivity curves were kept for further examination. After filtering through roughly 450 wells, only 87 of the wells that met the data criteria were left in the project. Structural, stratigraphic, and isopach maps were then successively created for the M2 interval. The digitization of well logs allowed for the log values to then be exported and transferred to the Kipling2.xla software plug-in for Microsoft Excel.

X-Ray Fluorescence Analysis

X-Ray Fluorescence (XRF) analysis was attempted on the Deutsch 1 core using a Bruker Tracer III Handheld X-Ray Fluorescence device. The entire M2 interval was evaluated, concentrating on where any change in lithofacies occurred. Facies changes were determined by the notable changes in the core along with any prominent spikes within the gamma ray of the Deutsch 1 core. The NITON X3 XRF analytical program was calibrated (generic calibration provided by the manufacturer) for the following elements: magnesium (Mg), aluminum (Al), silicon (Si), phosphorus (P), sulfur (S), potassium (K), calcium (Ca), barium (Ba), titanium (Ti), Vanadium (V), chromium (Cr), manganese (Mn), and iron (Fe). Major elements were examined on power settings 15kV and 25μA with an analysis time of 180 seconds per sample. After every 6^{th} sample, the standards (Bruker Duplex 2205 and RTC-W-220) were analyzed to calculate concentrations and insure precision.

After several attempts to find a correlation with the XRF data to well log or core data, the idea was eventually abandoned, as its contribution to the neural network proved to be indeterminate. Without a continual scan, it was impossible to state conclusively that a given XRF analysis corresponded to a specific depth interval and hence a specific lithotype as identified geophysically. It was also difficult to demonstrate that a given analysis could realistically be assigned as representative of an entire facies within the M2 interval. The XRF data was to be used in the training process of the ANN. The training process needs to have a specific output variable to train itself on.

Well Cutting Evaluation

Ten wells were chosen for evaluation based on production history, if a productive facies was predicted by the ANN and well cuttings were available. Cuttings were obtained from the Kansas Geological Survey Well Sample Library in Wichita, Kansas. Driller's logs and well logs were used to assess lag time in cutting sample collection. Drill cuttings are taken at the drill site to evaluate the subsurface geology as a well is being drilled. The cuttings take a while to travel up the well bore before being collected. Samples being collected at a given ten-foot interval are from a higher interval than where the actual drill is, therefore, the lag time must be considered. Cuttings were observed at the KGS energy examination room in Wichita. Each interval was evaluated using a binocular microscope with a variable magnification. Allochems and lithologies were identified to determine what facies were represented at each interval. Of the ten wells chosen for examination, eight wells had the complete M2 interval available.

Kipling2.xla

Dr. Geoffrey C. Bohling at the Kansas Geological Survey programmed Kipling2.xla to be used as a neural network extension in Microsoft Excel (Bohling, 2000). Kipling can be developed for a continuous or categorical variable model. Values are entered into the model and used as predictor variables by the model. Well log values can be entered directly into the model, evaluated by the ANN and used as predictor values. The model evaluates predictor values based on regression relationships, which can be applied to either a continuous or categorical-based output. For this study, a categorical output model was created. Well log predictor inputs are used to create a facies (categorical) output (Bohling, 2000). Kipling2.xla is an adaption of the original Kipling extension. Kipling 2 is the most updated version, and can be used on newer

versions of Excel. Kipling is similar to most neural networks in the fact that it tries to "learn" what to do with the data input into the system rather than having a set list of instructions that the program must carry out to get an output value. Kipling is a powerful tool that compartmentalizes the data, rather than just returning generalized and indiscriminate calculations (Bohling, 2007). The program is given a dataset to "learn" and uses those cutoffs to evaluate input and output data. The input and output data are tied to and considered on node or neuron. The nodes are then linked together and given a weight based on its associated geophysical log value. When a value is applied to a node, it transfers that information to each node that it is connected to. The nodes are then layered from 0 to 1, according to the node's input "weight", thus distinguishing any fluctuations seen within the dataset. This further establishes how the characteristics of the population dataset is arranged in a discrete numerical fashion, by way of connecting points of the same weight together and mathematically computing a sigmoidal transfer function, thus yielding the output data score distributed along a histogram ranging from 0 to 1 (Bohling, 2007). With these computing capabilities, neural networks can mimic "learning" when it updates with each piece of information added into the system. Prior to training the neural network, the dataset is statistically sorted into varying bins, which consists of different intervals that fall along the histogram bell curve. Sorting the bins helps categorize the quantitative data to specific training points, consequently eliminating input error and making data processing simpler and more accurate (Bohling, 2007) Linear regression statistical methods can also be used during training, since the bins are sorted based on the input data population, and therefore aides in drawing comparisons between any set of bins (Bohling, 2007). As Dr. Bohling has pointed out, Kipling works the same way in that it updates categorical values as more information is presented in the system. Eventually, for a categorical response, the neural network begins to define each set of

data based on what it learned during the "training" process. The bins are individually categorized based on the data's given "weight" ranges, and then subsequently calculated to achieve an average density estimate, which then delineates the bins into specific layers. These layers are then represented as a unique grid cell which then maps out the probability distribution of the predicted value output (Bohling, 2007). Log values (input nodes) are then passed through a hidden layer of nodes (layers used only to calculate results) which are then connected to the corresponding output node (Figure 9). Hidden layers assign a weight to the input data. Those weights are revised as the ANN runs multiple iterations of the input data during the training process. Eventually, the ANN refines the weights to create the best match for the input data to the output data.

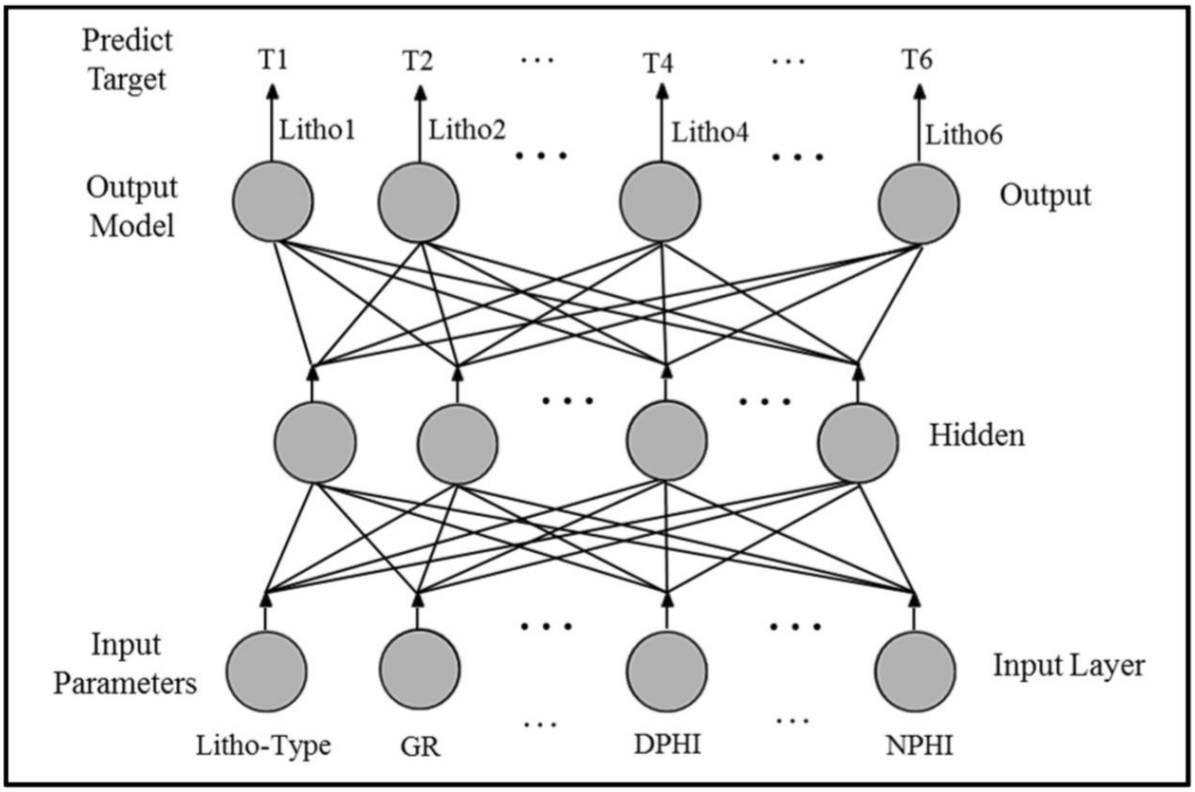

Figure 8: Generalized neural network workflow. Gamma ray, resistivity, bulk density, and lithotype logs are used as input nodes. Lithotype probabilities are the ultimate output node.

In this study, the same three geophysical log curves (gamma ray, resistivity, and density) were used, along with lithotype logs, to "train" the network. Several different factors were experimented with to create the most accurate output model. The number of hidden layer nodes (50) and dampening parameter (0.01) were conditioned until the outputs matched the core facies. The outputs of the ANN were compared to the known facies that exist in the core. Networks were trained using three core of known facies with the fourth core being held out to analyze the output data. A more complex network can be created by using a larger number of iterations, a larger number of hidden layer nodes, and fewer dampening parameters. Conversely, fewer iterations, fewer hidden layer nodes, and a larger dampening parameter will result in a less

complex network. For this study, a less complex network achieved the most accurate model for facies prediction, i.e. 100 iterations of 50 hidden layer nodes and a dampening parameter of 0.01 was used when training the neural network (Appendix C). This model resulted in the most accurate reflection of the output data to the physical core data.

After raster logs were imported and digitized in Petra, the M2 interval was delineated from all available sources of information (appendix C). Sources include core descriptions, well logs, drillers logs, and photos. These sources were used to define where the M2 interval was for each log. The M2 interval from each well in the study and was then applied to the ANN that was created using wells with well-known facies distributions. An example of the input for the ANN can be seen in Figure 10. The wells used in ANN training were Oasis 1 Deutsch (15-083-20234), Oasis 2 Deutsch (15-083-20236), Oasis 3 Deutsch (15-083-20243), and Oasis 5 Deutsch (15-083-20252). Not only did these wells have known facies distributions, but they also were believed to be within the thickest part of the M2 interval.

Depth	GR	NEUT	RHOB	Interval	facies
4592	58.724	1068.168	20.374	M3	
4593	40.985	1121.58	29.982	M3	
4594	36.591	1159.435	26.783	M3	
4595	41.404	1183.445	23.954	M3	
4596	32.234	1191.078	21.665	M3	
4597	22.011	1311.56	49.858	M3	
4598	18.193	1383.846	49.83	M3	
4599	16.181	1376.694	49.801	M3	
4600	18.152	1375.668	49.772	M3	
4601	23.561	1346.845	49.744	M3	
4602	33.135	1172.687	17.566	M3	
4603	34.016	1094.497	22.177	M3	
4604	36.278	1057.438	43.448	M3	
4605	46.02	1001.895	22.597	M3	
4606	55.033	935.134	10.124	M3	
4607	54.114	964.006	10.817	M3	
4608	45.377	985.568	9.561	"M2"	4
4609	52.462	1035.92	9.52	"M2"	4
4610	59.708	1047.278	13.481	"M2"	4
4611	59.791	1027.244	9.682	"M2"	4
4612	53.072	1021.633	7.428	"M2"	3
4613	39.007	1081.235	17.864	"M2"	3
4614	25.127	1160.622	22.339	"M2"	3
4615	22.685	1206.497	17.473	"M2"	3
4616	20.564	1142.62	31.059	"M2"	2
4617	19.438	1100.673	39.068	"M2"	2
4618	27.331	1083.361	19.354	"M2"	2
4619	33.677	1047.816	7.723	"M2"	1
4620	27.871	1044.652	17.514	"M2"	1
4621	22.666	1063.093	28.413	"M2"	2
4622	19.094	1048.624	33.974	"M2"	2
4623	16.859	1080.077	26.792	"M2"	2
4624	16.602	1126.674	12.598	"M2"	2
4625	17.127	1135.595	47.245	"M2"	2
4626	17.689	1104.439	42.565	"M2"	2
4627	18.821	1064.287	47.428	"M2"	2
4628	21.828	1086.195	34.127	"M2"	2
4629	27.149	1153.852	45.483	"M2"	2
4630	31.523	1162.968	7.908	"M2"	2
4631	26.107	1067.44	3.781	"M2"	1
4632	23.914	1009.318	10.318	"M2"	1
4633	20.395	1018.409	20.979	"M2"	2
4634	22.467	1042.941	21.446	"M2"	2
4635	26.738	1051.872	25.36	"M2"	2
4636	32.762	1042.106	26.933	"M2"	2
4637	44.551	1036.277	11.465	"M2"	2
4638	41.237	1031.203	4.835	"M2"	2
4639	27.275	1023.797	7.53	"M2"	1
4640	23.461	1026.571	12.074	"M2"	3
4641	24.052	1047.747	13.594	"M2"	3
4642	28.041	1070.107	13.059	"M2"	3
4643	33.925	1063.118	9.011	"M2"	3
4644	33.936	1056.474	5.16	"M2"	1
4645	25.317	1059.82	7.645	"M2"	3
4646	22.03	1110.267	26.848	"M2"	3
4647	24.074	1122.139	25.35	"M2"	3
4648	32.154	1095.134	8.353	"M2"	3
4649	37.783	1037.955	2.886	"M2"	3
4650	43.69	1033.155	4.322	"M2"	1
4651	30.965	1060.374	5.69	"M2"	1
4652	29.266	1118.001	15.622	"M2"	1
4653	29.002	1153.476	23.254	"M2"	3
4654	34.631	1127.246	7.347	"M2"	3
4655	43.04	1104.044	5.815	"M2"	3
4656	51.194	1065.234	8.996	"M2"	3
4657	60.054	1037.807	8.075	"M2"	3
4658	45.937	1016.39	2.907	"M1"	
4659	29.271	1020.097	4.132	"M1"	
4660	25.411	1019.886	2.989	"M1"	

Table 2: Example of the input variables for the trained ANN. The yellow highlighted values are the M2 interval

The trained ANN was then applied to the 87 applicable wells within the study area to be used for predicting the accuracy of the neural network. Distance from the training wells to the prediction wells was not considered. Past studies have shown that distance between predictor wells and predicted wells does not play a part in the accuracy of the ANN (Reece, 2016). Also, past studies attempted to use multiple trained ANN to evaluate different parts of study areas (Martin, 2015). Since distance does not influence the accuracy of the model, there was no need to have multiple models applied to different sections of the study area.

Facies were chosen based on the probability, determined by the ANN, that a certain facies was present at a given point. The ANN output indicates the most likely facies to occur at any given depth interval, based on the well log information provided. In some intervals, the ANN can predict facies with a high level of probability (>90%), even assigning 100% probability that a particular facies will occur at a given depth interval in some wells. However, for some intervals the probability predicted by the ANN for any given facies is < 100%. The distribution of high probability and low probability can shift within a single well within the interval of the input data which in this case was a one foot interval range. (Figure 10).

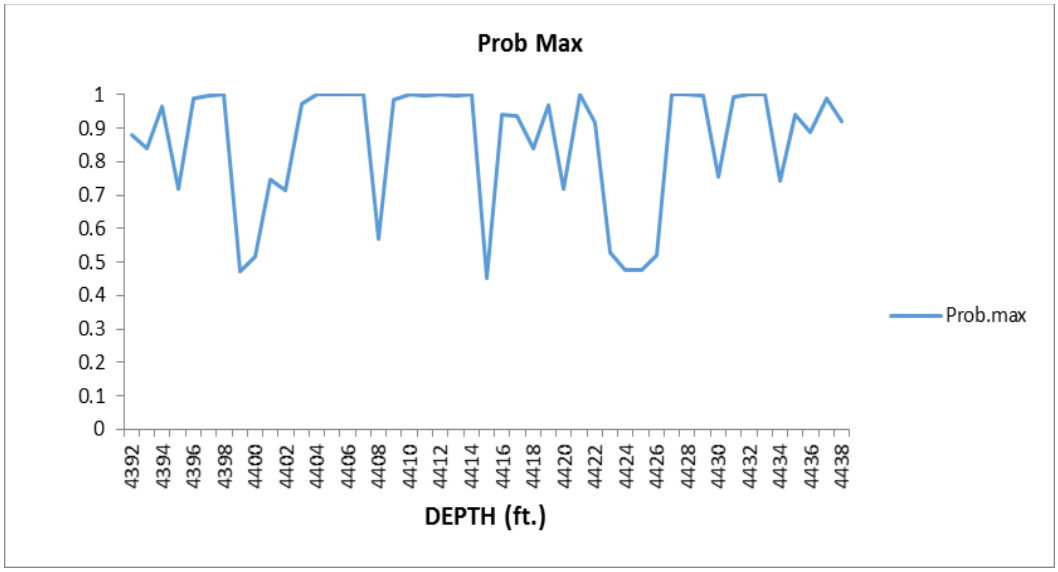

Figure 9: Shifting probabilities within one section of a given well. The probability is for the most probable facies within the model and is not confined to one facies in this graph. Probabilities are assigned by the ANN.

The ANN attempts to model which facies is present, but where well log information is not necessarily specific to one facies, (the model assigns the input data to one or more outputs), the model gives the most likely facies possible (the model chooses the highest assigned probability). A results-dampening parameter was applied to the neural network model to allow for a more accurate estimation of where some particular facies may occur. The dampening parameter attempts to add geologic reasoning into the ANN model. This was done using a Transition Probability Matrix (TPM). The TPM is constructed using the expected geologic stacking patterns for the characteristic depositional sequence. However, the Meramec has several depositional sequences, all with varying amounts of subaerial exposure and erosional periods of non-deposition. This means that, while there is a stacking pattern that the ANN model can attempt to identify within the data for each well, this is not a strong or robust constraint to place on the model, because of the variation in stratigraphic sequences observed over the interval of interest. In most cases, the TPM is applied to eliminate the prediction of very thin (<1 ft.) facies that is below the resolution of the input data. The TPM serves as a step interval for the model, as it utilizes a training procedure to remove a predicted lithofacies that is thinner than the one-foot determination window. Therefore, the predicted facies ultimately adopted is the one with the maximum probability, i.e. the highest value between zero and one. After all the parameters are met, an example lithotype log is created that attempts to reproduce the core log. Probabilities are plotted first, then a refined graph is made using the TPM. Figure 11 shows the difference between the ANN first facies probability output, and the final output after all dampening procedures are applied.

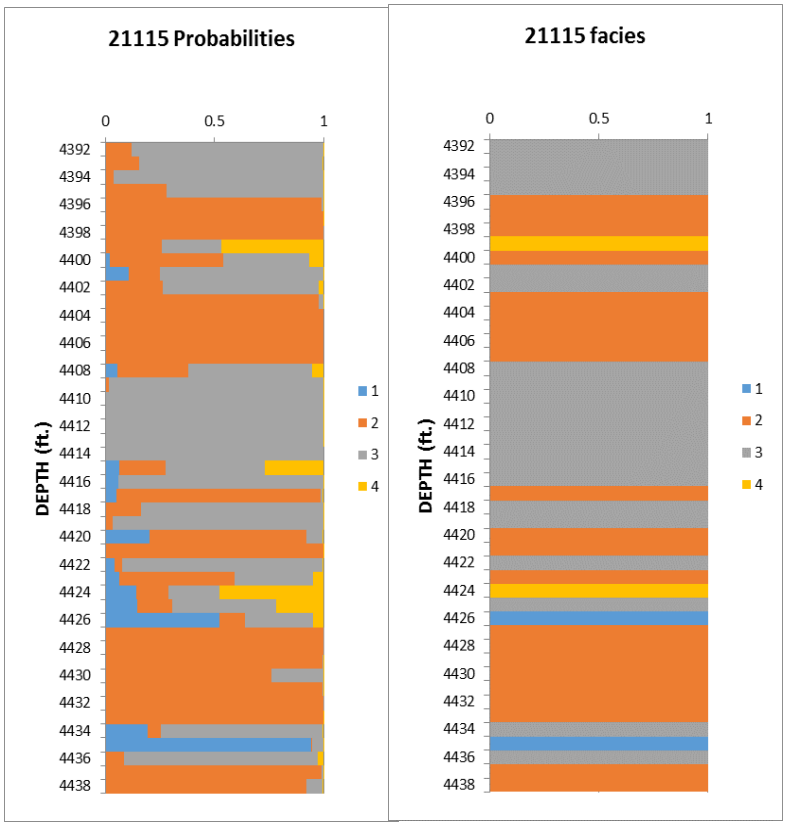

Figure 10: Facies prediction for 15-083-21115 (Goebel 2 in the Stairett East Field). Column 1 shows the raw ANN model prediction. Column 2 show the refined prediction with TPM applied, and the most probable facies represented. Colors correspond with the description in figure 12. The numbers on the right side of the columns represent the ANN neural network output

Limitations

The neural network model relies heavily on the data used to train the model. The more accurate data used to create the network, the more accurate output probabilities will be. The discovery well for Bindley Field (Oasis 1 Bindley) was completed in July of 1972 (Ebanks, 1977). Since 1977, wireline logging technology has changed significantly. However, outside of traditional well recompletion methods, wells aren't typically re-logged, even when newer, more precise/accurate methods are available. Since many wells in this area were completed in the late 1970's to early 1980's, the type and quality of log data are less precise / accurate than techniques

used today. Since the neural network must be built using the same suite of logs, many of the newer and more accurate logs could not be used for neural network training and prediction. The neural network model must also be evaluated against physical samples, whether they be from core or drill cutting samples. For the purpose of this study, sample drill cuttings were heavily relied on to serve as the direct observable physical evidence of lithofacies.

The calibration of the neural network model required the integration of well logs of various resolutions into the model. If a well log was created at a half-foot interval, it had to be changed to a one-foot interval to match older logs, and remain consistent throughout the study area. The ability to steadily and reliably use more than three log curves would have also added more control when training the neural network, which may have added to the overall accuracy of the facies prediction. It is also possible that thin beds of the productive facies from the M2 interval were below the resolution necessary in the older logs. This could then cause the network model to skip over the interval and yield low probability values underestimating where there could have been potential productive facies.

Chapter 4 - Results

Core Analysis

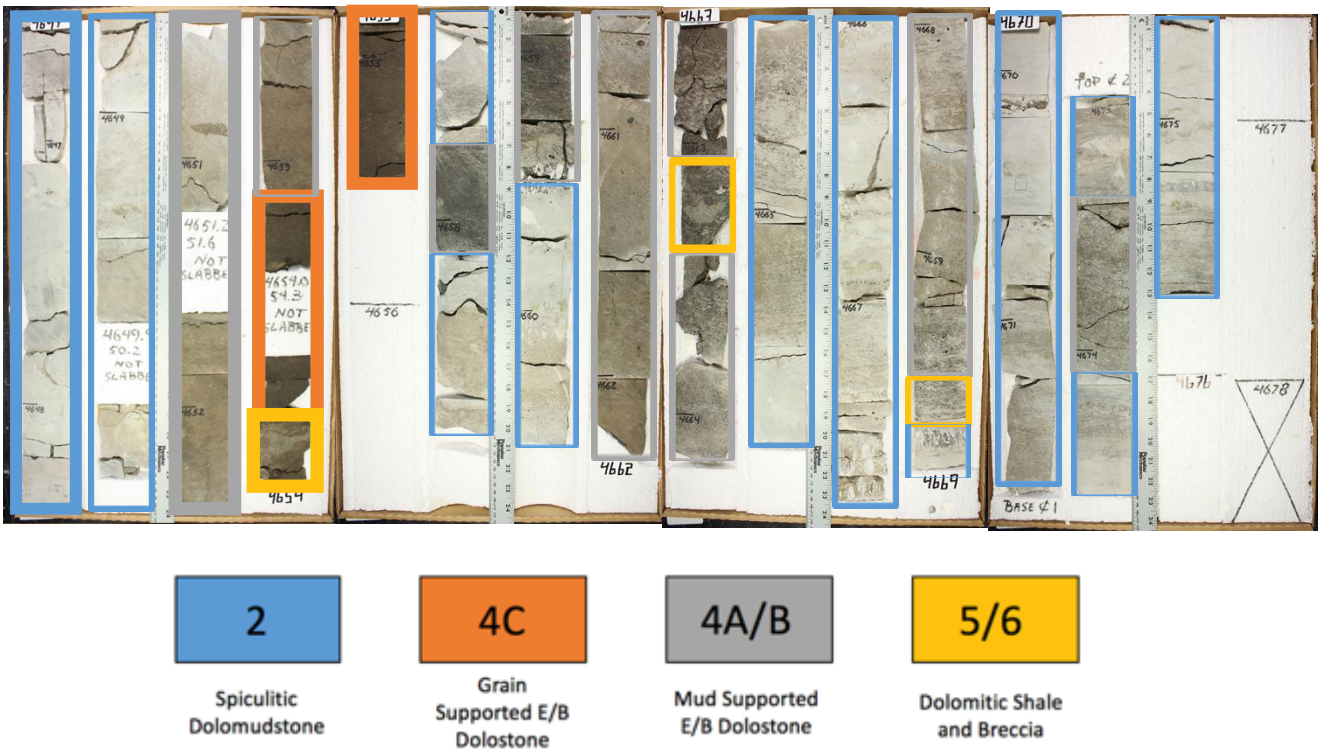

Figure 11 Picture of 15-083-20243, Oasis 3 Deutsch through the M2 interval 4647'-4676' Facies are outlined in specified colors. Note heavy oil staining in the 4C lithofacies layer oil staining does not occur in any other lithofacies.

Four core (Oasis 1 Deutsch (15-083-20234), Oasis 2 Deutsch (15-083-20236), Oasis 3 Deutsch (15-083-20243) and Oasis 5 Deutsch (15-083-20252)) were looked at in house at the KGS facility in Lawrence, Kansas. The cores were looked at to get a sense of the facies present and the M2 interval. These cores were used to ground truth and to assess the accuracy of the ANN.

Artificial Neural Network Model

The ANN model was applied to 87 wells within the study area. Facies were predicted in each well, based on the ANN model probabilities. A list of the neural network inputs and the

associated outputs can be viewed in Appendix C. An example of the ANN output can be seen in Figure 14.

21115		
	DEPT	Pred.Facies
	4392	3
	4393	3
	4394	3
	4395	3
	4396	2
	4397	2
	4398	2
	4399	4
	4400	2
	4401	3
	4402	3
	4403	2
	4404	2
	4405	2
	4406	2
	4407	2
	4408	3
	4409	3
	4410	3
	4411	3
	4412	3
	4413	3
	4414	3
	4415	3
	4416	3
	4417	2
	4418	3
	4419	3
	4420	2
	4421	2
	4422	3

Table 3: Example ANN model output

XRF Data

Handheld XRF was applied to the Deutsch one core through the M2 interval. An average of all XRF readings were recorded and put into a color-coded facies table (Figure 14). Readings from 6 shots on each facies within the interval were combined for the average. Information on

the number of shots and standard deviation of the data is available in the complete XRF data table in Appendix B.

		MgKa1	AlKa1	SiKa1	P Ka1	S Ka1	K Ka1	CaKa1	BaLa1	TiKa1	V Ka1	CrKa1	MnKa1	FeKa1
Dolomitic Shale and Breccia	4610 AVG.	5.8	3.4	8.8	0.0	0.2	1.1	20.0	0.0	0.1	0.0	0.0	0.0	2.6
Mud-Supported E/B Dolostone	4613 Avg.	4.3	0.8	3.6	0.0	0.2	0.3	20.3	-0.1	0.1	0.0	0.0	0.0	2.2
	4641 AVG	7.8	0.9	4.1	0.0	0.3	0.4	24.0	0.0	0.1	0.0	0.0	0.0	0.7
	4647 AVG	7.5	0.5	3.1	-0.1	0.2	0.3	24.7	-0.1	0.0	0.0	0.0	0.0	0.7
	4656 AVG	0.1	0.2	2.2	0.0	0.3	0.0	3.2	-0.2	0.0	0.0	0.0	0.0	1.2
	Avg.	4.9	0.6	3.3	0.0	0.3	0.2	18.0	-0.1	0.0	0.0	0.0	0.0	1.2
	SD	3.6	0.3	0.8	0.0	0.0	0.2	10.1	0.1	0.0	0.0	0.0	0.0	0.7
	Avg W/O 4	6.5	0.7	3.6	0.0	0.3	0.3	23.0	-0.1	0.0	0.0	0.0	0.0	1.2
Spiculitic Dolomudstone	4619 AVG.	9.5	0.7	3.7	0.0	0.2	0.4	23.6	0.0	0.1	0.0	0.0	0.0	1.1
	4632 AVG	6.8	2.1	7.5	0.0	0.2	0.8	20.6	0.0	0.1	0.0	0.0	0.0	0.9
	4638 AVG.	3.9	2.7	8.5	0.0	0.4	1.4	16.9	0.0	0.1	0.0	0.0	0.0	1.1
	4645 AVG	4.0	1.3	5.5	0.0	0.3	0.6	16.7	-0.1	0.1	0.0	0.0	0.0	1.0
	4650 AVG	6.6	1.4	6.7	0.0	0.3	0.6	21.1	0.0	0.1	0.0	0.0	0.0	0.8
	Avg.	6.2	1.6	6.4	0.0	0.3	0.8	19.8	0.0	0.1	0.0	0.0	0.0	1.0
	SD	2.3	0.8	1.9	0.0	0.1	0.4	3.0	0.0	0.0	0.0	0.0	0.0	0.1
Grain Supported E/B Dolostone	4616 AVG.	8.4	1.2	4.3	0.0	0.2	0.5	23.2	0.0	0.1	0.0	0.0	0.0	1.3
	4627 AVG	4.4	0.2	2.5	-0.1	0.4	0.1	21.5	-0.1	0.0	0.0	0.0	0.0	1.0
	4637 AVG	7.4	1.0	4.3	0.0	0.3	0.3	23.7	0.0	0.1	0.0	0.0	0.0	0.9
	Avg.	6.7	0.8	3.7	0.0	0.3	0.3	22.8	0.0	0.1	0.0	0.0	0.0	1.0
	SD	2.1	0.5	1.1	0.0	0.1	0.2	1.1	0.0	0.0	0.0	0.0	0.0	0.2

Table 4: Handheld XRF average data of all reading across the M2 interval for the Deutsch 1 core.

The XRF analysis could only take readings on less than 1cm shots of where the user chose spots to analyze the core. Consequently, even the smallest change in placement of where the shot taken, could result in vastly different readings (Appendix B). Another constraint was the lack of a carbonate standard for carbonate rock evaluation. The data in this study was calculated based upon a mudrock standard, hence the data may be less accurate than would be possible with a well calibrated carbonate standard. The XRF data was to be used in the training process of the ANN. The training process needs to have a specific output variable to train itself on. I could say without uncertainty that shots taken of each facies would be representative of the entire facies. Rather, each shot was only representative of where the shot was taken and it would be a stretch to say those numbers could serve as a proxy for an entire facies. A continuous scan of data would be needed to attempt to tie XRF numbers to the facies.

Alongside the challenges encountered with the XRF analysis, time also served as a major limitation in managing a thorough and reliable examination of the core, as there were time restrictions and limited access when trying to check out core at the KGS. Due to lack of access and time to recurrently evaluate an entire interval with the XRF handheld device, as well as the absence of an established standard, the XRF results were omitted from this study, as it did not provide the sufficient data necessary for the neural network to establish a facies distribution within the cored interval.

Cuttings

Well cuttings from 10 wells were examined at the KGS well cuttings library in Wichita, Kansas. Figure 12 summarizes the observed facies within the 10 selected wells through the M2 interval. The well name, API, location, well type, interval, description, and representative photo are included in the table (Table 5).

Well	API	Location	Well Type	Miss. Top	Cutting Depth Interval (Associated Facies)	Description of Cuttings	Representative Photo
Goebel D' 1	15-083-20233	35 T 21S R 24W	P&A	4601'	4600 4620' 4620 4640' 4640 4650' 4650 4660'	4620 4640' creamy to light brown mud-supported dolostone with observed bryozoan shell fragments crinoid stem fragments; notable blocky pyrite present; distinct creamy sub-sucrosic to sucrosic dolostone; minor vugs; minor bone-white chert and lt. brown clay present	
Deutsch 3	15-083-20243	34 T 21S R 24W	OIL to EOR	4623'	4620 4625' skips 4690 4700'	4620 4625' dark gray gritty shale/ argillaceous mudstone present w/ prominent planar fractures; higher red clay content than other intervals; minor bone-white conchoidal chert fragments; minor sub-sucrosic dolostone	
Bindley WF Unit 206 (Deutsch 5)	15-083-20257	34 T 21S R 24W	OIL	4637'	4639 4649' skips	4639 4649' dominant light tan mud-supported dolostone with noteable appearance of tabular shale fragments; distinct creamy sub-sucrosic to sucrosic dolostone; minor bone-white chert and red clay present; observed skeletal allochems *CORED IMAGES*	
Bindley WR Unit 106 (Schauvliege 1)	15-083-20260	33 T 21S R 24W	OIL	4649'	4650 4660' 4660 4670'	4650 4660' large green agrillaceous shale grain; prominent red clay; very little lt. cream/brown sub-sucrosic dolomite present overall mudstone dominant	
Everton 3	15-083-20369	34 T 21S R 24W	OIL	4602'	4600 4620' 4620 4650' 4650 4670' 4670 4680'	4620 4650' dominant lt. brown to cream grain-supported dolostone sub-sucrosic, rough, angular break; prominent vugs; minor fissile shale and chert; little to no clay present	
Goebel 1	15-083-20492	25 T 21S R 24W	P&A	4602'	4600 4630'	4600 4630' dominant lt. tan to brown mud-supported wackestone with minor clay and observed notable presence of skeletal allochems	
Goebel 2	15-083-21115	18 T 21S R 24W	P&A	4392'	4390 4400' 4400 4410' 4410 4440'	4400 4410' lt. brown to cream grain-supported blocky, sub-sucrosic dolostone is dominant, along with noticeable bryozoan fragments; grains slightly larger than other intervals; prominent vugs; very little clay; geo report indicates good odor.	
Wright J' 5-26	15-083-21603	26 T 21S R 25W	SWD	4576'	4560 4680'	4560 4680' noticeably smaller cutting fragments than other wells; crunchy crumbly and friable fragments; off white to light gray spicultitic dolomite dominant; some splintery shale; minor clay; vugs poor	
Union 1-4	15-083-21629	04- T 22S R 24W	OIL	4630'	4630 4640' 4645' 30 min. circ. 4640 4650' 4660 4670' 4670 4680' 4680 4690'	4630 4640' creamy to tan "frosted" mud-supported dolostone with observed bryozoan shell fragments crinoid stem fragments; distinct blocky fracture of creamy sub-sucrosic to sucrosic dolostone; notable vugs; minor shale; minor bone-white chert and lt. brown clay present	
Schroeder 1	15-083-21720	19 T 21S R 24W	OIL	4468'	4440 4450' 4450 4460' 4460 4480' 4480' 1 hr. circ. 4490 4500' 4500 4510' 4510 4520' 4520 4540' 4540 4550'	4440 4450' dominant dark gray fissile mudstone/shale with earthy luster; presence of red clay; minor lt. cream/brown sub-sucrosic dolomite present; scattered bone-white chert; vugs poor; possible glauconite; possible oil stain on grain edges	

Table 5: Cuttings description and summary

Chapter 5 - Discussion

Facies Distribution

Facies were predicted in 87 wells throughout the study area. Facies logs were created from the ANN model and applied to the Petra project. Cross sections were made to evaluate the subsurface distribution of the facies within the M2 interval in the study area.

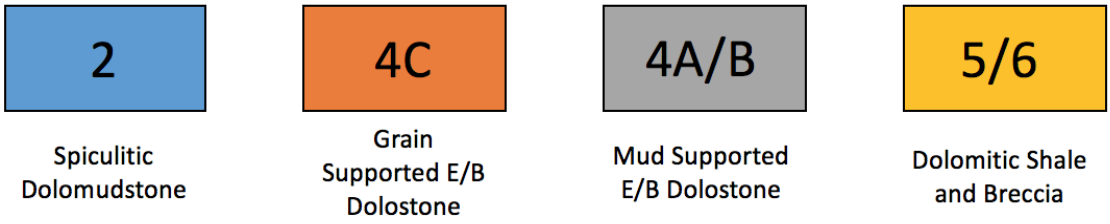

Figure 12: Key for the following cross section facies distribution. Lithotype numbers follow Johnson's (1990) lithotype numbering system to avoid confusion.

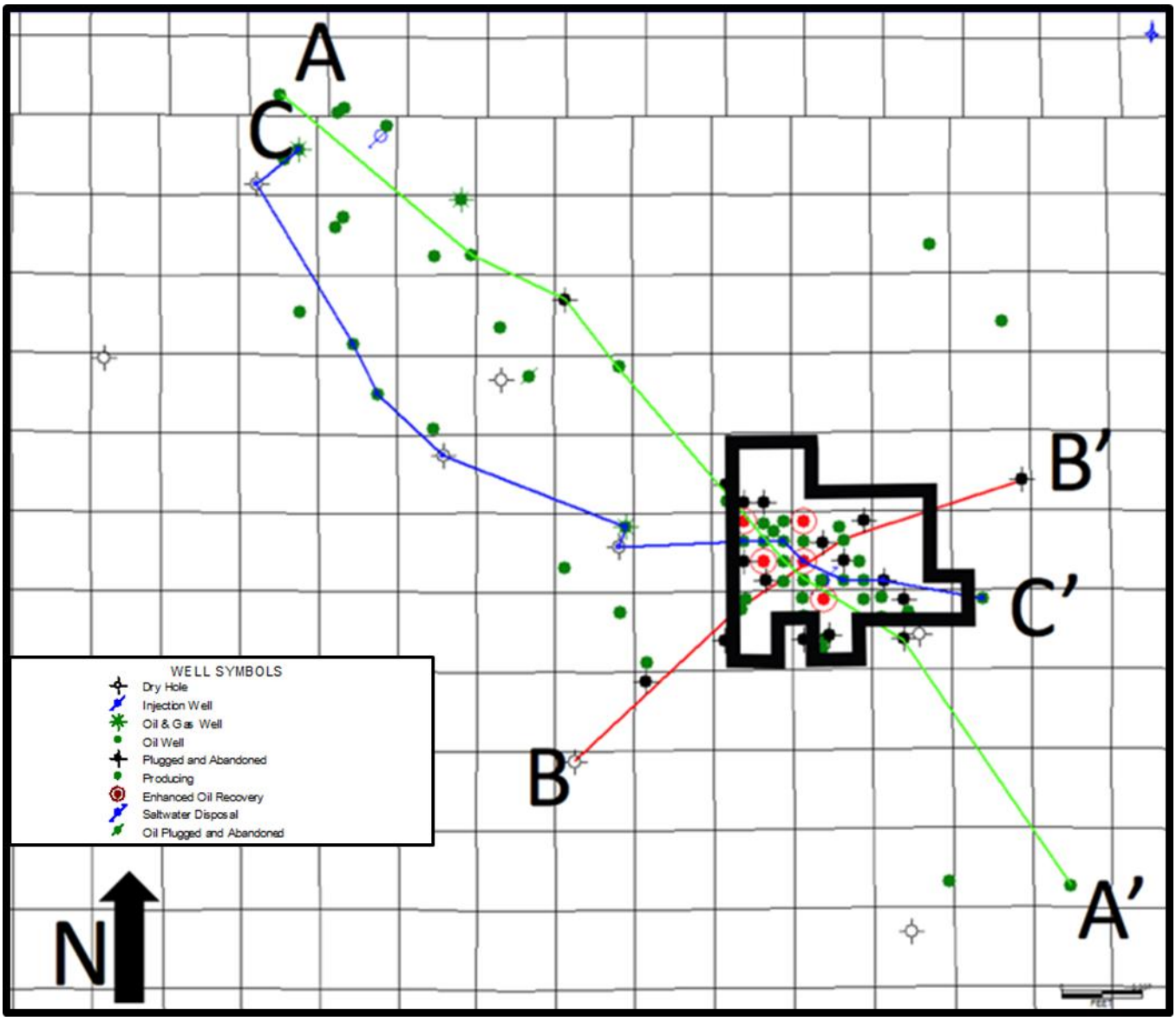

Figure 13: Cross section layout throughout the predicted wells within the study area. Cross section placement was chosen to explore the northwest, southeast, and flanks of the study area.

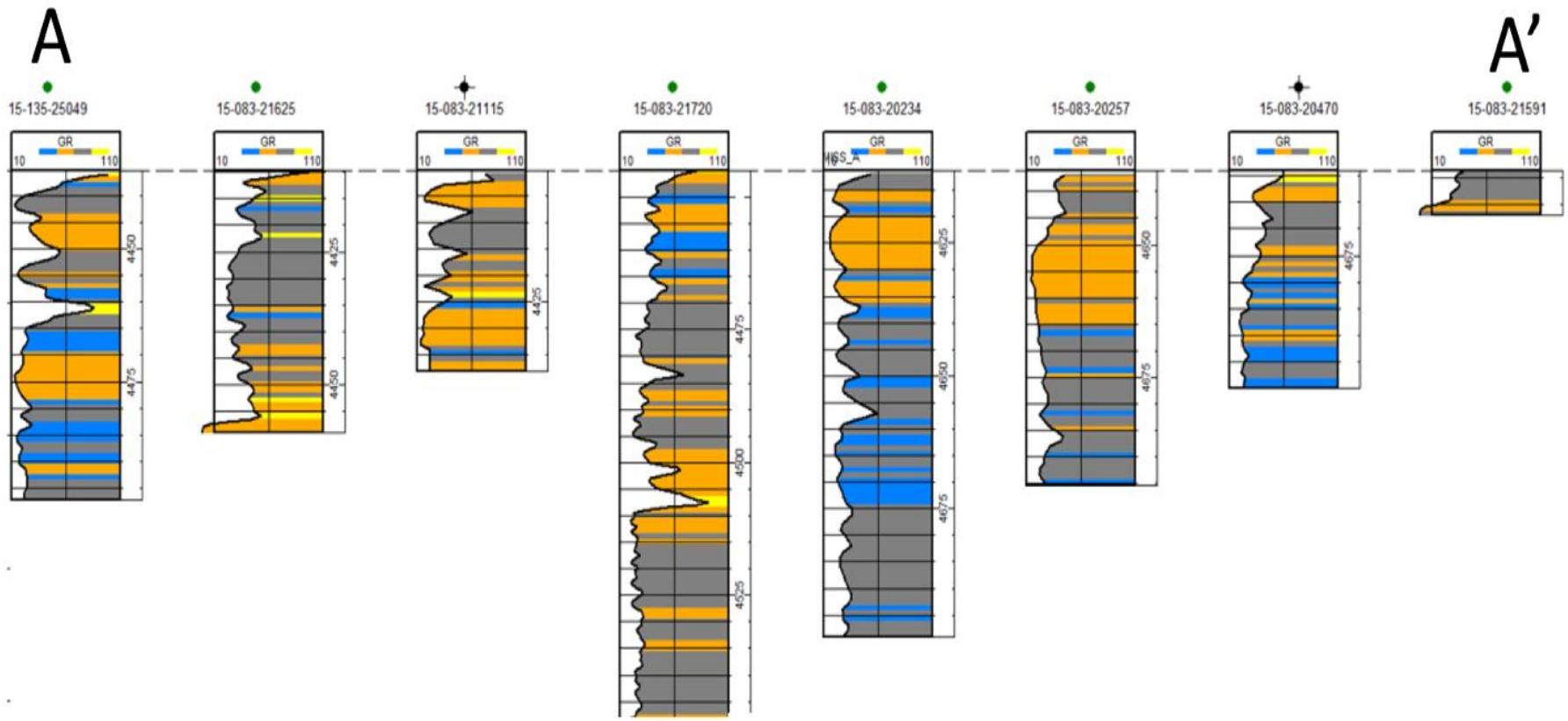

Figure 14: Predicted wells from the northwest to the southeast of the study area. Cross section line A

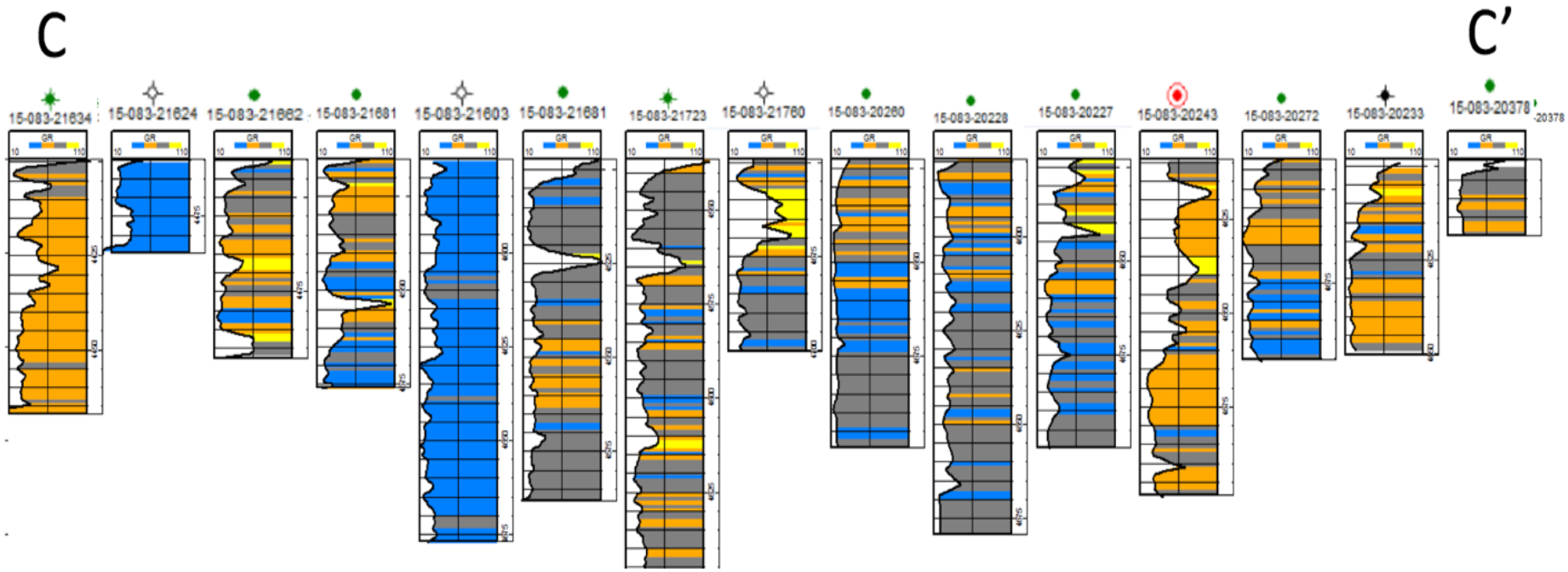

Figure 15: Predicted wells from the northwest of the study area through the center of Bindley Field. Cross section line C

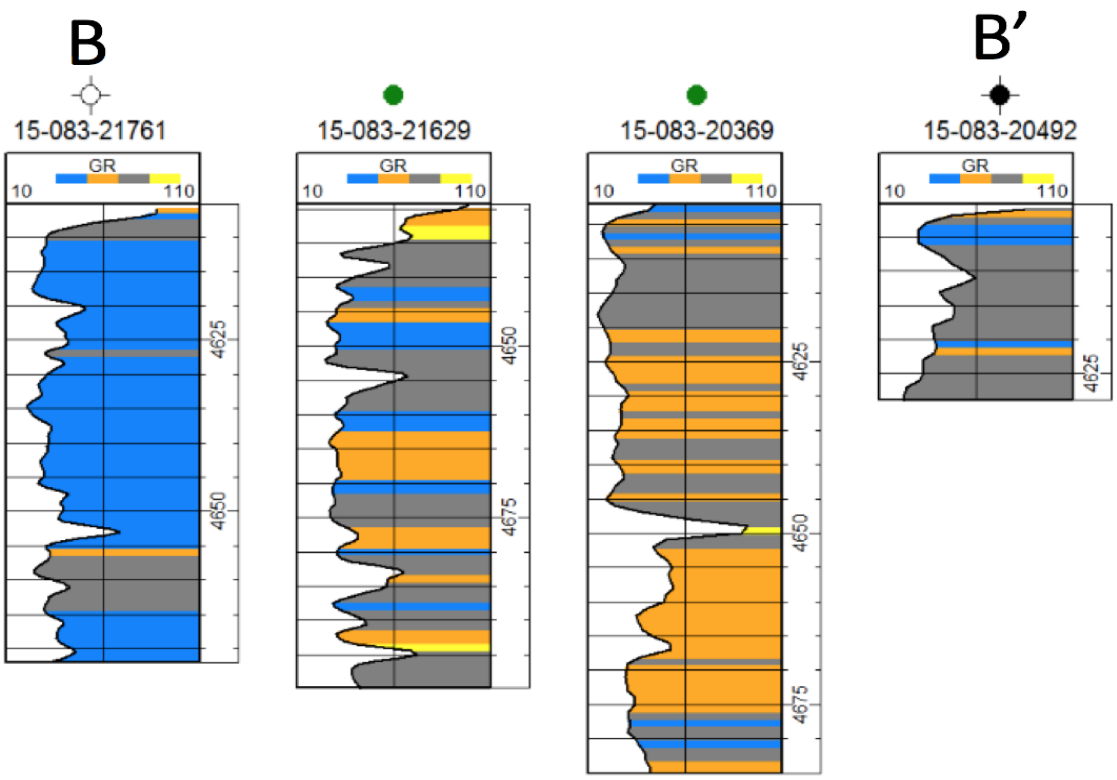

Figure 16: Cross sectional view across the flanks, east to west across Bindley Field. Cross section line B.

The cross sections were hung stratigraphically on the Mississippian top to fully express the distribution of the M2 interval across the study area. The cross-sectional view tells the story of the distribution across the study area, further exhibiting the variable nature of the productive facies. The intermittent facies distribution of the M2 speaks to the number of dry holes that have been drilled within the study area. It also explains why attempts at enhanced recovery through waterflooding has been largely unsuccessful. Many of the wells picked for enhanced recovery have little or no permeable facies present. When water is injected into a mudstone, it has very little opportunity to permeate through the pores of the rock and successively push oil towards the wellbore. As seen in the cross-sections across major portion of the field, there is no unique, identifiable pattern that exists for the M2 in this particular study area. This is likely because of

the nature of the deposition of the M2 interval, as during the Mississippian period, there were substantial eustatic changes within the area that subjected the rock facies to at least six periods of subaerial exposure. During these repeated periods of exposure, fragile carbonate build ups were easily eroded away, which would explain the absence of a certain facies within the study area. Furthermore, the nature of carbonate deposition lends itself to sporadic facies development. The organisms that ultimately create the carbonate rocks in the subsurface required a specific type of environment to thrive. If those conditions are not met then life cannot thrive, and carbonates cannot be deposited. What then exists in the stratigraphic column are erosional remnants, some of which may serve as paleotopographic highs or "traps" in the productive facies in the M2.

Cross section A Covers over 10 miles of predicted wells within the study area. All the wells included in cross section A were prolific oil producers. All wells (except 1 where well data was cut off through the M2 interval) have over 10 feet of predicted lithofacies 4C. Cross section line C-C' represents a more complete picture of the predicted facies distribution. While A-A' only had producing well, C-C' contains wells that were drilled as dry holes, and an enhanced oil recovery well. This cross section shows the sporadic nature of the productive carbonate facies throughout the area. Wells 15-083-21723, and 15-083-21760 were drill relatively close to each other. One has enough of the productive facies present to be a producer while 21760 is dry with only 5 feet of lithofacies 4C. Cross section B-B' is a selection of wells that traverse the flanks and heart of Bindley Field. 15-083-21761 was predicted to have about 2 feet of the productive lithofacies 4C. This well was completed on March 4, 2012 and subsequently plugged on March 16, 2012. The two wells in the center of Bindley Field have been producing since January 2012 AND May 14, 1974. Well 15-083-20492 is a more interesting case. The well is classified as a producing well, but only 2 feet of productive lithofacies was predicted. The well produced 11085

bbls of oil from this interval from 1977-1986 which is a marginally productive well. The well most likely did not produce enough oil to pay for its completion costs.

Productive facies were predicted by the ANN in wells that have produced for many decades. In fact, lithotype 4C, the productive facies, was predicted in every well that has a history of production within the study area. Two wells from the Deutsch lease (APIs: 15-083-20243, 15-083-20236) are responsible for 921741.22 bbls of cumulative production through 1997. The ANN predicted 5 feet of lithotype 4C for the Deutsch 3 (15-083-20243) which was confirmed by core examination. The ANN predicted 12 feet of lithotype 4C for the Deutsch 2 (15-083-20236). The core from the Deutsch 2 exhibited 18 feet of the productive facies. Overall, the ANN model reproduced broad aspects of the physical conditions of production in the area fairly well. While this provides some reassurance of the model's accuracy, it is also illuminating to consider wells where the model did not predict a productive facies. Many of the dry wells that were drilled within the study area were tested, and the model did not predict the occurrence of any productive facies within those wells. For instance, the Schmitt 1 (API 15-083-21761) well was drilled in 2012, and has since then been abandoned due to non-production. The neural network predicted less than 5 feet of the productive facies in the Schmitt 1 well.

Another example of the accuracy of the ANN can be seen by the limited success of secondary recovery methods within the Bindley Field. Enhanced recovery began when the Deutsch 1 (15-083-21603) discovery well was authorized for conversion to an injection well for enhanced recovery within Bindley Field. The model predicts very little of the permeable facies within this well, making it a poor choice for injection well when the water-flood was designed. Had an ANN model been applied prior to initiating the water-flood to assess the distribution of permeable facies, perhaps a better result could have been realized.

Neural Network Accuracy

The accuracy of the ANN model was evaluated by comparing the model outputs to core descriptions from four key wells (Oasis 1 Deutsch (15-083-20234), Oasis 2 Deutsch (15-083-20236), Oasis 3 Deutsch (15-083-20243) and Oasis 5 Deutsch (15-083-20252)) within Bindley Field. Ten additional wells for which cuttings exist were also considered to further evaluate the model's accuracy. The analysis of accuracy was done by developing a scorecard (Figure 17). The values for the scorecard were derived from all the four main wells for the study: Deutsch 1, Deutsch 2, Deutsch 3 and 5. These wells were known to have the four facies present, and so could be directly compared to the ANN model. The cuttings analysis also provided analysis for the scorecard. Predicted lithofacies were compared against the lithofacies determined to be present in the M2 interval of the cuttings. Core and well cuttings were evaluated along with the predicted facies from the ANN model. A mark was added to where the facies was in the actual core or well cuttings (true results) along the x axis and what facies the ANN predicted (predicted ANN facies). When the X axis facies and the Y axis facies agree with each other the model is determined to be correct. If those two axes are in not in agreement with each other the model is determined to be incorrect. A relative accuracy was calculated for each facies by dividing the total number of times a facies was correctly predicted by the number of times that facies was observed in core or well cuttings.

Total	Predictied ANN Facies						Grand Total (X-axis)
		2	4C	4A/B	5/6		
True Results	2	23	3	17	0		43
	4C	3	41	9	0		53
	4A/B	12	11	89	0		112
	5/6	0	1	8	9	72% raw accuracy	18
Grand Total (Y-axis)		38	56	123	9		162

Table 6: Scorecard for the ANN model showing predicted facies result using 4 key wells and cutting analysis of 10 selected wells. Green highlighted boxes are when the well cuttings or core agree with the facies predicted by the ANN.

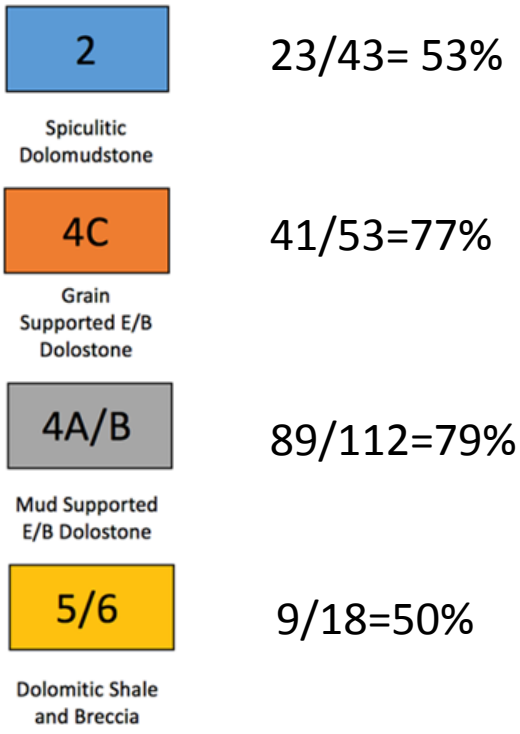

Figure 17: Relative Accuracy of Each Facies =Number of correct predictions / number of times observed (true results).

The target facies for each predicted column has the highest overall number for each predicted facies. An overall accuracy of 72% was achieved using the ANN model. The model was inclined to overestimate the presence of facies 4A/B more than any other facies. The productive facies, 4C, was predicted the second most of any facies. Facies 5/6 appeared sparingly, and therefore was predicted the least. Most intervals were between 10-feet. There were also some intervals that occurred in as little as 5-feet and as much as 20-feet or more. In order to apply a 10-foot interval to a model predicting facies at 1-foot intervals, interpretations had to be made. An estimation of the amount of each facies within a cutting interval was made. The same interval was looked at from the ANN model predictions, and from there a determination was made as to the whether the predicted facies was represented or not within the cuttings interval. A description of the cuttings, and interval sizes for each evaluated well can be seen in Table 5.

The least accurate predicted facies is lithotype 5/6 – argillaceous shale and breccia, with an overall accuracy of 50% for this facies. The least picked facies is also lithotype 5/6. The productive facies, 4C, had an absolute accuracy of 77% over 53 evaluated instances within the core and well cuttings. Overall, facies 4C is picked by the neural network with a relatively high degree of accuracy. The predictions mimic what was observed in core and cutting samples. The failure for the ANN model to accurately predict all the facies is most likely due to the input data that the model was trained on and asked to evaluate. The is the wireline log data for all 87 wells. The design of the well logs may have skewed the data in the favor of picking a reservoir facies more accurately. However, it is interesting to note that the most accurately picked facies was lithotype 4A/B which was picked with an accuracy of 79%. This is almost certainly due to the

amount facies 4A/B existing in the stratigraphic column. The model had more opportunity to not only pick, but pick correctly facies 4A/B.

An isopach of the total productive facies predicted in each well was created. The isopach suggests a thickening of the productive facies to the northwest of Bindley Field. The overall production in the area to the northwest of Bindley Field suggests that the reservoir rock is present. Several wells are producing from the M2 interval to the northwest.

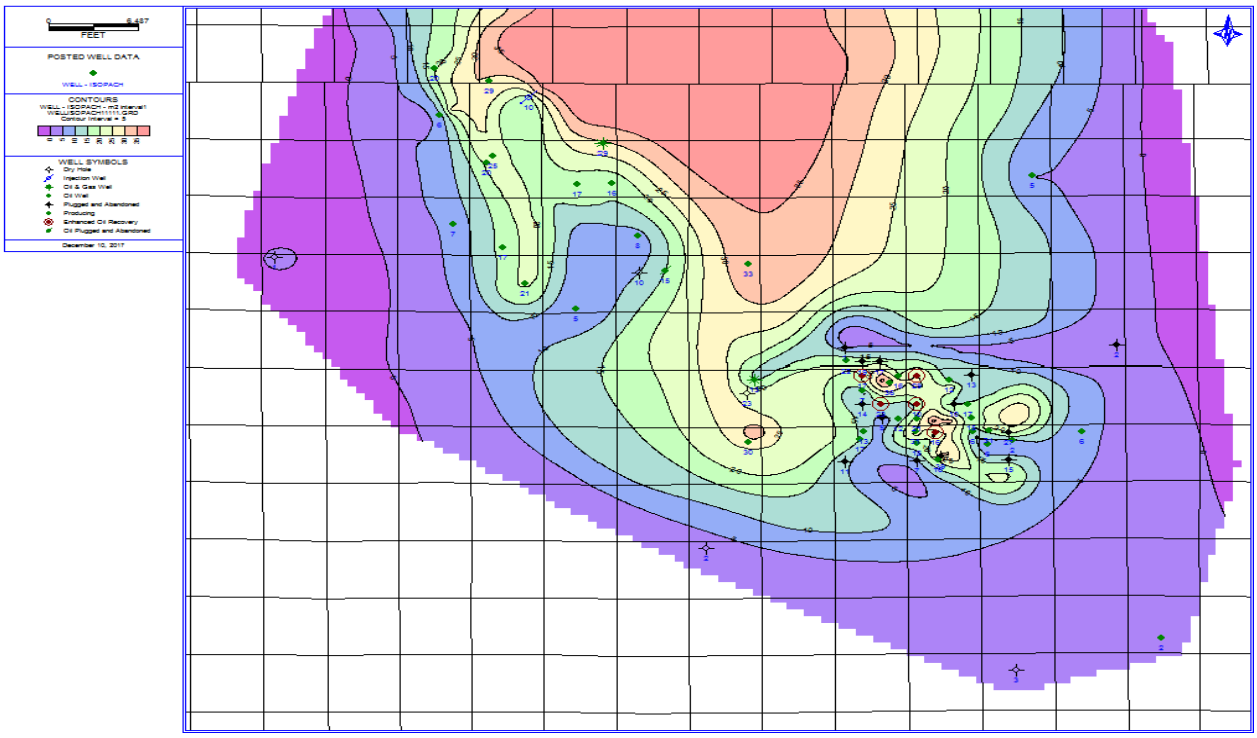

Figure 18 isopach of the productive 4C facies. The model suggests the facies thickens to the northwest of Bindley Field.

Chapter 6 - Conclusion

This study offers a workflow to evaluate the distribution of potentially productive lithofacies across a very large area in a relatively inexpensive and efficient manner. Due to the complex and variable nature of the M2 in western Kansas, it has been quite difficult to assess the entire interval and expand across regions. The ANN offers, a mathematical approach to the evaluation of a large well log database. The production history of Bindley Field, and the fields surrounding it could have been greatly improved with an accurate overview of what is happening in the subsurface.

Wireline logs created an accurate geologic model for evaluating the subsurface. With only the use of a gamma ray, resistivity, and bulk density log curves, facies distributions were mapped throughout the study area. The use of the neural network can shed light on areas where very little geologic data are available. The ANN model can also be applied in association or in lieu of a more expensive seismic survey of an area.

The Mississippian, and more specifically the Meramec, is one of the most important reservoirs in the state of Kansas. In fact, the Mississippian accounts for 12% of the state's oil production (Evans and Newell, 2013). The ability to evaluate the subsurface quickly and accurately, will promote better understanding and ultimately better production from these reservoirs. The Mississippian includes several units that were unknown before reservoir characterizations of the play. Production characteristics such as porosity, fluid type, and lithology can be used to train an ANN and create a geologic picture of areas where previous geologic models have failed.

A model with an overall accuracy of 72% was achieved using the ANN method. Using this model to evaluate the subsurface should yield the expected prediction more than 2 out of 3

times. However, the accuracy for the facies of interest (lithofacies 4C) is 77%. When evaluating for a productive interval the ANN will make the correct prediction more than 3 out of 4 times. The available core, core descriptions, and pictures, along with the available cuttings present throughout the study area offer an extensive way to evaluate the ANN model of several miles within the subsurface. Most of the key M2 interval was available for selected wells, and core descriptions were quite extensive, so the overall accuracy and confidence within the model should be considered high.

The prediction of a productive facies in wells that have been productive for decades within the study area offer a real-world example of the accuracy of the ANN model. A productive facies was predicted in every well that had a history of production within the study area. The model also correlates with wells where no oil or gas production has occurred. Dry wells or wells drilled as disposal wells typically had very little or no productive facies predicted by the ANN model.

Overall, predicting productive facies within the subsurface using the ANN model can be very accurate. This type of model can be applied to evaluate production potential of a given area, or establish suitable zones to plan enhanced oil recovery methods. The ANN model is an optimal instrument, that can serve as an inexpensive tool to quickly and accurately determine whether the field of interest exhibits productive lithofacies and to what extent the lithotype can be defined within the extent of the studied area.

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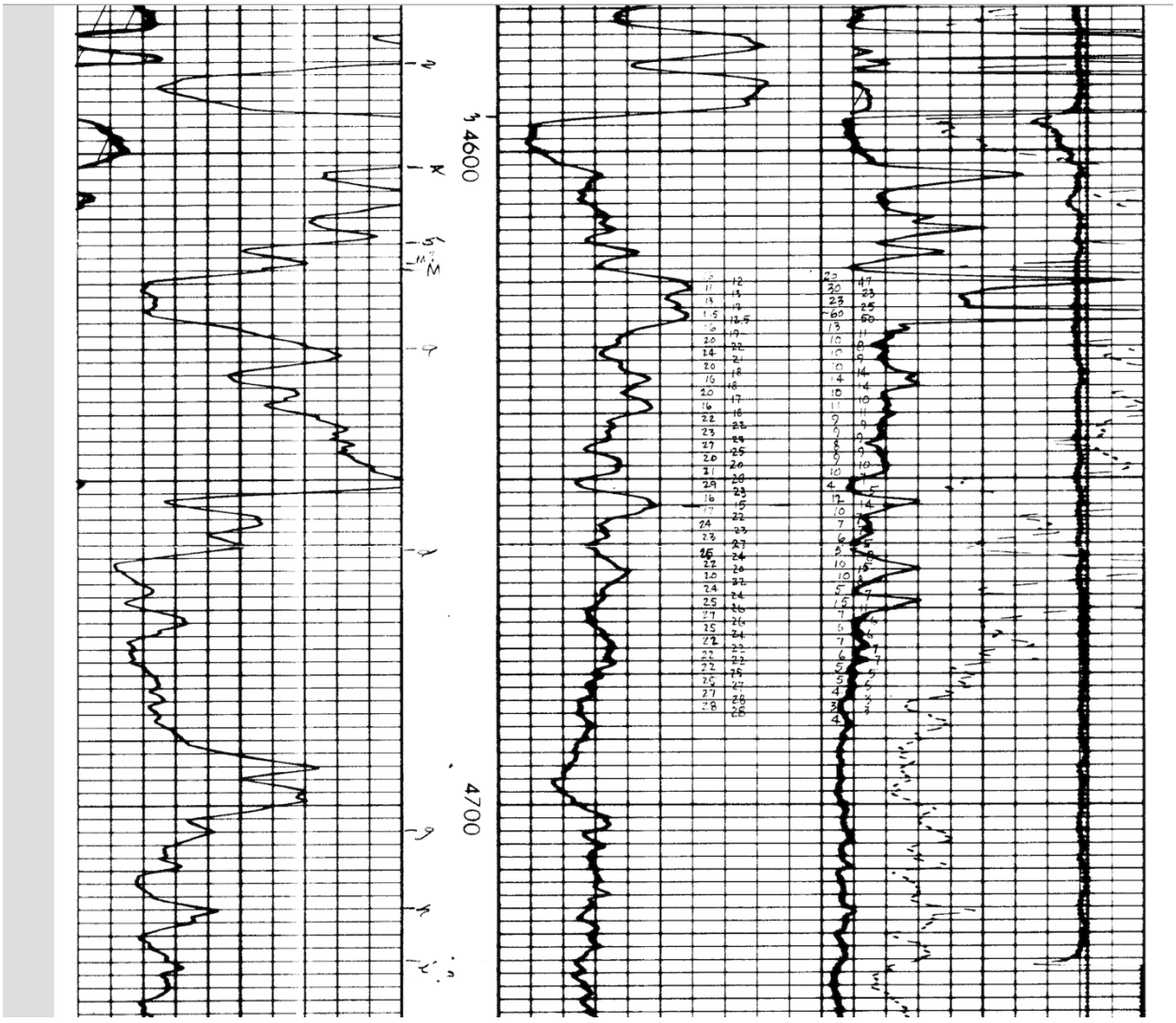
Appendix A - Digitization

Digitizing within Petra

Most of the wells within the study area did not have digital LAS available and therefore, had to be digitized using Petrel Geologic Software (Petra). Log files were downloaded from the KGS website in TIFF form. This allows the log to be viewed as a picture, but does not allow it to be interacted with in any other meaningful way.



(Example of Deutsch one suite of logs in tiff form.)

The Tiff file must be uploaded into Petra as a raster log. After saving the tiff file, the tiff was uploaded into the appropriate well by choosing the well and selecting import > Raster. This can be done from the well list screen. Select the well digitization is being done for, and use the file button to select import and select the appropriate Tiff file. A series of uploading prompts will pop up within Petra. Theses prompts ask about file size, type, and location. After the appropriate items are chosen, which will be unique to the file type that is being uploaded, the tiff file will upload as a raster log for the chosen well. The raster image should be in the raster tab on the well list. Select the well and click the rasters tab. There is an option to digitize and Petra will take the user directly to that screen when the assign/calibrate button is clicked. All raster images must first be depth calibrated before the correct position can be detected by Petra. Usually, the tiff file will not be straight as it is a scan of an actual log and typically log shifts when it is scanned. Petra allows the user to straighten the image. This process is called calibrating the log image. A user can get to the calibrate log image from the main module or the cross-section module, either way the procedure is the same. Click on file > open image, then click on the appropriate tiff. Depth control can now be added to the raster. The log interval is the appropriate interval to use when adding depth calibration. Petra can detect the depth interval after two selections have been made, but more depth picks adds for a better degree of accuracy. The following commands must be followed to add depth control to the raster log.

go to edit > add depth point or on the depth calibration tool bar click depths > add. Position the red add depth line at the top of the image and left click. Enter the depth measurement, click add. Scroll to the bottom of the raster and add the bottom depth measurement and click ok or right click to end the “add” depth option.

After depth measurements are added Petra can interpolate between the added depths. The following commands can be followed to interpolate depths.

click edit > interpolate depth or on the depth calibration tool bar > depths > Interpolate

A prompt comes up warning that Petra is going to interpolate depths.

Petra now needs to know where the track edges are so it knows where the measurement within the track begins and ends, and so it can interpolate between the set scale. Use the following commands to set track edges.

Click edit > add track straight edge.

Drop the straight edge along the left edge of the left most track

Adjust each depth calibration control point to align with the edge of the log curve track, and lines up with the raster image.

Zoom in to really get the depth point to where it should be depending on the quality of raster being calibrated; this can be helpful in getting an accurate calibration.

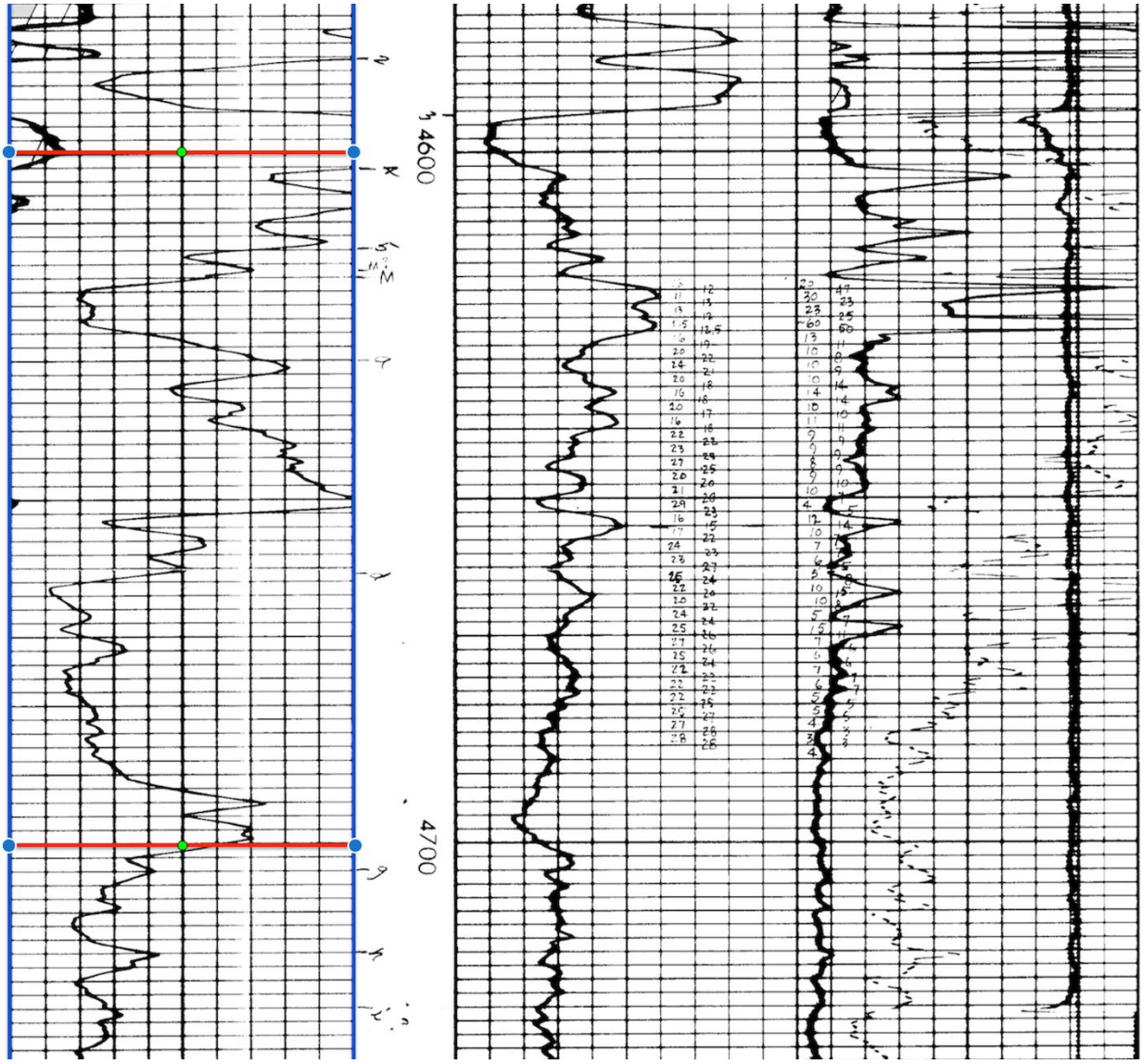
Click on edit > straighten image, a prompt appears asking if you are ready to straighten the image.

After straightening the image, a prompt appears telling the user that the image has been straightened.

After the image is straightened, Petra will prompt the user to save the image. It will save directly to the associated well within a Petra file. Next, the edges of the track need to be set.

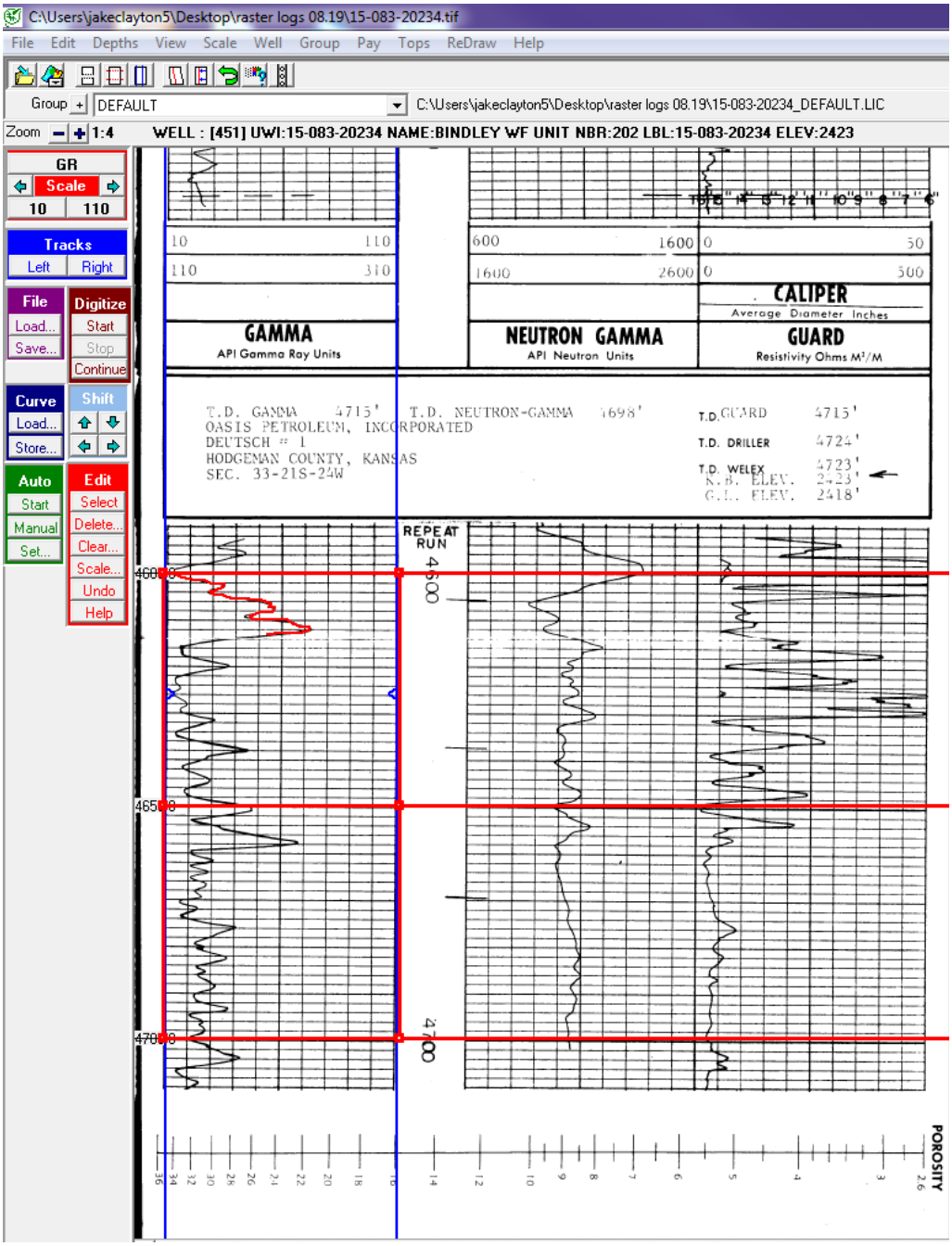
Click edit set left most edge, then place the blue line on the left edge of the track. Click to set the left most edge. Set the right most edge the same way, but use the right side of the desired track.

Next, set the log header now by clicking edit > set header top, edit set header bottom.



(The Deutsch 1 suite of logs with the gamma ray left and right edges set after the straightening process, and depth lines set at 4600 and 4700 feet. This is what the image will look like before the depth has been interpolated. A thicker blue line will appear when setting the track edges.)

The buttons on the left side of the screen will set what type of log is being digitized. For example, select GR for gamma ray and enter in the appropriate scale. (you get this information directly from the log). Next, digitization of the curve can start. Petra has an auto detect feature, but it can be rather inaccurate. The best and most accurate option is the click point by point on the curve until the entire curve has been picked. A red line will show the area being digitized.



(Digitization in progress of the gamma ray curve for the Deutsch 1 well. The red line shows where the user has picked points to digitize.)

Right click to stop picking points, or choose the stop calibration button. Mistakes during digitization can easily be cleaned up by clicking the clear digitization button. In cases where the curve doubles over itself, click the left arrow of your track measurements in the type log box in

the mid upper left of the screen. This allows for a quick scale change so Petra can correctly calculate log values. It is important to be sure and stop digitizing to change the track measurement and then start again. These controls can be made using the appropriately labeled box on the left side of the screen. The user can pause digitization at any time and start back up without losing any progress. When digitization is finished, the user should select the stop digitization button, and immediately save the newly digitized curve. The curve is stored with the well data and can be viewed on the main well screen within the Petra project home screen.

Appendix B - XRF

	NaKa1	MgKa1	AlKa1	SiKa1	P Ka1	S Ka1	K Ka1	CaKa1	BaLa1	TiKa1	V Ka1	CrKa1	MnKa1	FeKa1	CoKa1	NiKa1	CuKa1	ZnKa1	Ca/Mg
4610.5-chert-1	0.473799	0.488524	1.235955	37.26522	0.046	0.4711	0.2522	0.7259	-0.0872	0.0331	0.0270	0.0213	0.0257	-0.6443	0.0001	0.0116	0.0098	0.0026	
4610_5-24-17-1	0.279736	6.341607	2.883134	7.435079	-0.00073	0.159001	0.964249	21.11338	-0.00385	0.110895	0.009791	0.004504	0.037651	2.670591	0.000933	0.005303	0.000515	0.006567	
4610_5-24-17-2	0.303322	6.210708	2.999172	7.665765	-0.00221	0.163467	0.987183	20.71715	0.00596	0.110546	0.008919	0.004429	0.037586	2.647717	0.000925	0.005099	0.000785	0.006627	
4610_5-24-17-3	0.313912	6.259794	3.042521	7.723862	0.001016	0.16038	1.013095	20.73824	0.033494	0.110521	0.008783	0.004622	0.038189	2.652859	0.000933	0.005254	0.000631	0.006558	
4610_5-24-17-4	0.337709	5.669078	3.185658	8.611766	0.005006	0.164988	1.065178	19.80173	0.029468	0.122622	0.008218	0.00547	0.036557	2.638364	0.000931	0.005501	0.000576	0.006983	
4610_5-24-17-5	0.355245	4.730569	3.834756	11.00211	0.028777	0.164828	1.280072	17.57597	0.051756	0.14495	0.008344	0.006198	0.034682	2.440078	0.000899	0.005662	0.000842	0.006671	
4610_5-24-17-6	0.286341	5.381428	4.294545	10.14673	0.032863	0.167684	1.2655	20.0496	0.033817	0.128259	0.010246	0.004698	0.038042	2.807343	0.00099	0.005464	0.000562	0.006051	
AVG.	0.312711	5.765531	3.373298	8.76422	0.010788	0.163391	1.09588	19.99935	0.025107	0.121299	0.00905	0.004987	0.037118	2.642825	0.000935	0.005381	0.000652	0.006576	3.468778
SD	0.029347	0.632823	0.563293	1.483126	0.015756	0.003206	0.141163	1.281921	0.020399	0.013781	0.000807	0.000702	0.001323	0.117548	2.97E-05	0.000201	0.000132	0.000301	
4613_5-24-17-1	0.45096	4.992874	0.679131	3.389787	-0.03305	0.199546	0.308786	20.76951	-0.07099	0.048704	0.010404	0.003719	0.027822	2.081687	0.000712	0.003952	0.001606	0.007249	
4613_5-24-17-2	0.40088	4.90541	0.662682	3.37921	-0.03678	0.205583	0.30364	20.84767	-0.07084	0.046744	0.010682	0.003291	0.027695	2.138557	0.000722	0.004134	0.001436	0.007169	
4613_5-24-17-3	0.426536	4.455479	0.782408	3.507482	-0.04281	0.211796	0.313627	20.66561	-0.06809	0.04996	0.009958	0.003481	0.027425	2.19283	0.000735	0.00418	0.001383	0.007198	
4613_5-24-17-4	0.435941	3.956884	0.740039	3.691662	-0.04999	0.224397	0.35012	19.94573	-0.07078	0.050336	0.010286	0.003427	0.02728	2.136722	0.00072	0.004091	0.001498	0.007356	
4613_5-24-17-5	0.451291	3.665725	0.914369	3.833981	-0.04105	0.229977	0.36899	19.69343	-0.0672	0.05224	0.010053	0.003601	0.026693	2.188889	0.000732	0.003991	0.001556	0.007208	
4613_5-24-17-6	0.438019	3.651784	0.9457	3.885298	-0.0375	0.236975	0.371341	19.71362	-0.07053	0.054048	0.010139	0.003225	0.02714	2.170759	0.000733	0.00399	0.001603	0.007452	
Avg.	0.433938	4.271359	0.787388	3.61457	-0.04019	0.218046	0.336084	20.2726	-0.06974	0.050339	0.010254	0.003457	0.027343	2.151574	0.000726	0.004057	0.001514	0.007272	4.74617
SD	0.018757	0.60101	0.118932	0.221254	0.005892	0.014681	0.031064	0.545312	0.001655	0.002573	0.000264	0.000186	0.000407	0.041801	9.3E-06	9.16E-05	9.12E-05	0.00011	
4616_5-24-17-1	0.338783	8.142034	1.238698	4.264593	-0.03324	0.189318	0.451089	23.40302	-0.02948	0.060247	0.009776	0.00497	0.024468	1.265447	0.000466	0.005701	0.000115	0.006878	
4616_5-24-17-2	0.337246	8.443774	1.142305	4.238525	-0.03644	0.183623	0.453039	23.29707	-0.03167	0.060336	0.009505	0.004712	0.024323	1.261308	0.000461	0.005777	1.49E-05	0.007228	
4616_5-24-17-3	0.323095	9.009045	1.225243	4.326941	-0.02767	0.188013	0.460537	23.66216	-0.03173	0.061223	0.010368	0.005303	0.023981	1.268808	0.000465	0.005731	0.000104	0.007096	
4616_5-24-17-4	0.345057	8.517537	1.246679	4.445351	-0.0362	0.178898	0.468094	23.05293	-0.03177	0.059526	0.009456	0.00523	0.023718	1.2784	0.000464	0.005593	0.000205	0.007035	
4616_5-24-17-5	0.325481	8.331128	1.184682	4.341781	-0.03585	0.178958	0.460293	22.95343	-0.02862	0.058369	0.009532	0.005027	0.024046	1.295133	0.000466	0.005588	0.000232	0.007143	
4616_5-24-17-6	0.389811	7.888591	1.194744	4.36021	-0.03218	0.173049	0.459942	22.83851	-0.03596	0.062088	0.00949	0.005073	0.024393	1.258658	0.000462	0.005545	0.000339	0.007282	
AVG.	0.343246	8.388685	1.205392	4.329567	-0.0336	0.181977	0.458832	23.20119	-0.03154	0.060298	0.009688	0.005052	0.024155	1.271293	0.000464	0.005656	0.000168	0.00711	2.765772
SD	0.024286	0.379138	0.03932	0.0735	0.003381	0.006186	0.006092	0.308974	0.002548	0.001295	0.000352	0.000209	0.000289	0.013554	1.99E-06	9.29E-05	0.000114	0.000144	
4619_5-24-17-1	0.366887	9.578559	0.711498	3.796589	-0.03994	0.214077	0.409314	23.37621	-0.00895	0.056344	0.009581	0.004927	0.020807	1.15045	0.000426	0.005874	-3.7E-05	0.007421	
4619_5-24-17-2	0.322017	9.677661	0.693971	3.643514	-0.05343	0.205981	0.39219	23.7146	-0.03153	0.061999	0.009563	0.004795	0.020622	1.162385	0.000423	0.005949	-0.00012	0.007249	
4619_5-24-17-3	0.300631	9.567072	0.680879	3.621113	-0.03453	0.203276	0.402088	23.83237	-0.03221	0.065406	0.0096	0.004733	0.021325	1.128249	0.000418	0.006111	-0.00021	0.007277	
4619_5-24-17-4	0.318964	9.894366	0.709761	3.643044	-0.03964	0.207924	0.404804	23.93644	-0.01951	0.062429	0.009421	0.005194	0.021273	1.143034	0.000422	0.006165	-0.00036	0.007626	
4619_5-24-17-5	0.414118	9.370511	0.657336	3.677287	-0.04636	0.205859	0.397929	23.43059	-0.02924	0.060161	0.008829	0.004902	0.020854	1.133101	0.000418	0.005888	-0.00012	0.007145	
4619_5-24-17-6	0.376106	8.869912	0.709858	3.760078	-0.0384	0.201368	0.42757	23.40939	-0.03612	0.07058	0.008922	0.00496	0.020996	1.112627	0.000416	0.005809	3.77E-05	0.007424	
AVG.	0.349787	9.493014	0.693884	3.690271	-0.04205	0.206414	0.405649	23.6166	-0.02626	0.06282	0.009319	0.004918	0.02098	1.138308	0.00042	0.005966	-0.00013	0.007357	2.487787
SD	0.043037	0.349641	0.021552	0.071477	0.006756	0.0044	0.012232	0.242398	0.010146	0.004832	0.000351	0.00016	0.000275	0.017534	3.6E-06	0.000141	0.00014	0.00017	
4627_5-25-17-1	0.466503	4.196432	0.300353	2.574422	-0.04835	0.381175	0.145798	21.24995	-0.07106	0.039156	0.009536	0.004276	0.020461	0.984279	0.00036	0.004824	0.000849	0.007911	
4627_5-25-17-2	0.47015	4.381188	0.236671	2.464506	-0.05436	0.388057	0.133535	21.32061	-0.06088	0.032829	0.008907	0.004332	0.020504	0.985553	0.000359	0.004842	0.000891	0.008326	
4627_5-25-17-3	0.464818	4.256607	0.231943	2.508413	-0.05774	0.383539	0.138811	21.17487	-0.0626	0.034419	0.009261	0.004117	0.020618	0.976707	0.000358	0.004702	0.000915	0.007857	
4627_5-25-17-4	0.445782	4.377407	0.250661	2.482547	-0.05323	0.38932	0.134801	21.75379	-0.05967	0.036939	0.009412	0.004477	0.021012	0.965526	0.000359	0.005054	0.000662	0.007995	
4627_5-25-17-5	0.406127	4.647416	0.194876	2.458816	-0.04163	0.389089	0.135925	21.79333	-0.06943	0.041625	0.009836	0.004163	0.020706	0.975673	0.000357	0.005036	0.00063	0.00811	
4627_5-25-17-6	0.412072	4.58473	0.273202	2.484866	-0.05803	0.395541	0.138742	21.91861	-0.06727	0.042702	0.009258	0.004458	0.020807	0.983715	0.000358	0.005204	0.000448	0.007639	
AVG	0.444242	4.407297	0.247951	2.495595	-0.05222	0.387787	0.137936	21.53519	-0.06515	0.037945	0.009368	0.004304	0.020685	0.978576	0.000358	0.004944	0.000733	0.007973	4.886259
SD	0.028566	0.1777	0.036308	0.042385	0.006279	0.00502	0.004392	0.322079	0.004746	0.003931	0.000312	0.000148	0.000205	0.007613	1.05E-06	0.000185	0.000184	0.000234	
4632_5-25-17-1	0.350207	6.755288	2.097192	7.52199	-0.01184	0.205913	0.800864	20.68062	0.016728	0.102871	0.008346	0.006543	0.020851	0.94313	0.00038	0.00637	0.000125	0.007287	
4632_5-25-17-2	0.418836	6.565318	2.091954	7.456549	0.000217	0.20522	0.806174	20.59904	0.02776	0.098788	0.007867	0.00649	0.021029	0.92607	0.000378	0.006319	7.51E-05	0.007574	
4632_5-25-17-3	0.356463	6.325754	2.016002	7.444152	-0.00707	0.209691	0.804749	20.49231	0.012925	0.100829	0.007357	0.006353	0.020771	0.913333	0.000375	0.006269	0.000189	0.007309	
4632_5-25-17-4	0.379163	7.258516	2.06895	7.429083	0.002821	0.20977	0.806827	20.67822	0.031398	0.096741	0.008289	0.006289	0.020768	0.932694	0.000378	0.006429	0.000135	0.007357	
4632_5-25-17-5	0.366739	6.958176	2.080497	7.463505	-0.00932	0.212778	0.809558	20.68601	0.013012	0.104577	0.007865	0.006698	0.020828	0.926114	0.000378	0.006415	7E-05	0.007185	
4632_5-25-17-6	0.390836	6.826578	2.073824	7.455859	-0.00765	0.209741	0.800466	20.58615	0.024318	0.100629	0.007189	0.006757	0.020758	0.926678	0.000378	0.006369	9.16E-05	0.007458	
AVG	0.377041	6.781605	2.071403	7.461856	-0.00547	0.208852	0.804773	20.62039	0.021023	0.100739	0.007819	0.006522	0.020834	0.928003	0.000378	0.006362	0.000114	0.007362	3.040636
SD	0.025264	0.321222	0.029159	0.031845	0.005724	0.002814	0.003547	0.076565	0.007901	0.002796	0.000472	0.000185	0.000103	0.009748	1.62E-06	5.96E-05	4.5E-05	0.000137	

4637_5-25-17-1	0.31542	7.411945	1	4.24252	-0.02905	0.250931	0.338717	23.60054	-0.01256	0.04582	0.009344	0.005395	0.022252	0.890892	0.000341	0.005866	1.36E-05	0.007627		
4637_5-25-17-2	0.314863	7.010785	1.010566	4.250807	-0.02215	0.251979	0.346095	23.54526	-0.03688	0.052698	0.009728	0.00517	0.021935	0.878255	0.000339	0.005914	-0.00012	0.007857		
4637_5-25-17-3	0.324488	7.556289	1.013047	4.310471	-0.02076	0.256719	0.349824	23.93274	-0.03683	0.053567	0.0097	0.005273	0.022201	0.861841	0.000338	0.006187	-0.00033	0.007907		
4637_5-25-17-4	0.302452	7.561817	1.034508	4.346582	-0.02277	0.256038	0.345576	23.67995	-0.04147	0.055666	0.009936	0.005274	0.021876	0.868591	0.000339	0.005939	-9.8E-05	0.007682		
4637_5-25-17-5	0.380078	7.227515	1.05939	4.375072	-0.02641	0.263422	0.349006	23.76736	-0.04152	0.055628	0.009897	0.005282	0.022275	0.855388	0.000339	0.00599	-0.00016	0.007584		
4637_5-25-17-6	0.329369	7.649295	1.095256	4.411681	-0.02439	0.259357	0.355956	23.69739	-0.0275	0.052082	0.009585	0.005367	0.022226	0.861084	0.00034	0.006099	-0.00018	0.00777		
AVG	0.327778	7.402941	1.035461	4.322856	-0.02425	0.256408	0.347529	23.70387	-0.03279	0.052577	0.009698	0.005293	0.022127	0.869342	0.000339	0.005999	-0.00015	0.007738	3.201954	
SD	0.027238	0.242524	0.036135	0.06779	0.003048	0.004642	0.005692	0.136279	0.011152	0.003626	0.000217	7.98E-05	0.000175	0.013142	9.86E-07	0.000122	0.000114	0.000129		
4638_5-25-17-1	0.495611	3.748604	2.676137	8.535454	-0.01289	0.37954	1.38534	16.88059	0.058904	0.135299	0.005411	0.005966	0.019134	1.075051	0.000432	0.005912	0.000403	0.007501		
4638_5-25-17-2	0.535042	4.164341	2.741485	8.51952	-0.00964	0.385105	1.374297	16.76553	0.029768	0.141574	0.005746	0.005956	0.019087	1.079416	0.000432	0.005922	0.000368	0.007688		
4638_5-25-17-3	0.497371	3.850615	2.722539	8.468173	-0.01096	0.349768	1.380973	16.76673	0.016635	0.143987	0.005927	0.006039	0.018715	1.099998	0.000434	0.005795	0.000485	0.007091		
4638_5-25-17-4	0.544053	3.722892	2.649392	8.401859	-0.00633	0.357282	1.3757	16.76447	0.054299	0.132498	0.005947	0.00595	0.018765	1.068124	0.00043	0.005692	0.000715	0.007162		
4638_5-25-17-5	0.470881	3.821094	2.777769	8.512562	-0.00947	0.373187	1.396726	17.00098	0.038648	0.142895	0.006128	0.006032	0.019003	1.068643	0.000433	0.005996	0.000456	0.007289		
4638_5-25-17-6	0.482431	4.236859	2.810922	8.635831	-0.01126	0.378905	1.402565	17.0298	0.049747	0.14061	0.005717	0.006151	0.019275	1.095245	0.000438	0.005886	0.000616	0.007534		
AVG.	0.504232	3.924068	2.729707	8.512233	-0.01009	0.370631	1.385934	16.86802	0.041334	0.139477	0.005813	0.006016	0.018997	1.081079	0.000433	0.005867	0.000507	0.007378	4.298605	
SD	0.029134	0.220376	0.06069	0.07745	0.002222	0.013981	0.011473	0.122879	0.016116	0.004558	0.000247	7.69E-05	0.000218	0.013566	2.78E-06	0.000108	0.000133	0.000233		
4641_5-25-17-1	0.373373	7.689936	0.893841	4.081213	-0.03181	0.313711	0.394756	23.98762	-0.03506	0.057641	0.009003	0.005321	0.01881	0.729771	0.000288	0.005778	-5.1E-05	0.007404		
4641_5-25-17-2	0.3477	7.588222	0.844926	4.023262	-0.03733	0.309947	0.386962	23.876	-0.02517	0.05418	0.009061	0.005332	0.018822	0.739139	0.000287	0.005798	-0.00012	0.007392		
4641_5-25-17-3	0.338158	7.961671	0.894701	4.072941	-0.03796	0.31533	0.399724	24.09997	-0.03593	0.057478	0.009241	0.005416	0.019001	0.744637	0.00029	0.00584	-0.00012	0.007227		
4641_5-25-17-4	0.306305	7.618581	0.837964	4.033359	-0.04165	0.316773	0.389852	23.82424	-0.02734	0.054887	0.00859	0.005741	0.018635	0.725677	0.000286	0.005549	9.6E-05	0.007139		
4641_5-25-17-5	0.351394	7.846496	0.916185	4.094545	-0.03998	0.31821	0.402573	24.11352	-0.02123	0.054749	0.008505	0.005953	0.018905	0.705981	0.000284	0.005849	-0.00015	0.007236		
4641_5-25-17-6	0.322079	8.086895	0.820547	4.005907	-0.03601	0.330971	0.395848	24.32928	-0.03461	0.059815	0.008185	0.005527	0.018643	0.735472	0.000285	0.006035	-0.00026	0.007735		
AVG	0.339835	7.798634	0.868027	4.051871	-0.03746	0.31749	0.394952	24.03844	-0.02989	0.056458	0.008764	0.005548	0.018803	0.730113	0.000287	0.005808	-0.0001	0.007356	3.082391	
SD	0.023506	0.200237	0.038442	0.035777	0.003414	0.007192	0.005857	0.18377	0.006151	0.002204	0.000401	0.000252	0.000144	0.013589	2.32E-06	0.000156	0.000118	0.000212		
4645_5-25-17-1	0.318307	3.948658	1.233616	5.44883	-0.02251	0.292499	0.558695	16.73347	-0.06036	0.064762	0.005242	0.003961	0.017608	0.975015	0.000337	0.00297	0.002475	0.006117		
4645_5-25-17-2	0.338593	3.900926	1.259774	5.475058	-0.00468	0.276435	0.563854	16.60887	-0.05524	0.06364	0.004749	0.004329	0.017523	0.964229	0.000336	0.003032	0.002421	0.005913		
4645_5-25-17-3	0.312381	4.067667	1.284445	5.562326	-0.01494	0.286835	0.576232	16.86112	-0.04934	0.061334	0.005241	0.004243	0.017644	0.955071	0.000337	0.003121	0.00239	0.006247		
4645_5-25-17-4	0.334905	3.871559	1.253515	5.525246	-0.02059	0.28006	0.571306	16.73605	-0.05494	0.064967	0.004974	0.004066	0.017531	0.995502	0.000341	0.003001	0.002437	0.006124		
4645_5-25-17-5	0.320838	4.002247	1.254719	5.531527	-0.02207	0.283045	0.568278	16.74434	-0.05589	0.06444	0.005033	0.003963	0.017537	1.003837	0.000342	0.002933	0.002538	0.00624		
4645_5-25-17-6	0.311833	4.224281	1.276727	5.567897	-0.01808	0.283857	0.574009	16.79876	-0.06329	0.067142	0.005166	0.00446	0.01743	0.963926	0.000339	0.003127	0.002342	0.006227		
AVG	0.32281	4.002556	1.260466	5.518481	-0.01714	0.283788	0.568729	16.7471	-0.05651	0.064381	0.005067	0.00417	0.017545	0.976263	0.000339	0.003031	0.002434	0.006145	4.184101	
SD	0.011391	0.129457	0.018123	0.047575	0.006724	0.005544	0.006565	0.083775	0.004831	0.001895	0.000191	0.000206	7.46E-05	0.019381	2.47E-06	7.94E-05	6.81E-05	0.000128		
4647_5-25-17-1	0.356406	7.206958	0.5396	3.191383	-0.05165	0.248791	0.264799	24.5704	-0.05125	0.04309	0.00967	0.004867	0.018807	0.754333	0.000291	0.0058	-0.00019	0.006988		
4647_5-25-17-2	0.353402	7.160181	0.518674	3.115927	-0.06746	0.252339	0.261758	24.47856	-0.06251	0.044167	0.009467	0.004978	0.018716	0.756381	0.00029	0.005659	-9.7E-05	0.007437		
4647_5-25-17-3	0.372225	7.446859	0.490294	3.061076	-0.06074	0.235461	0.261769	24.5595	-0.06264	0.041523	0.009502	0.004852	0.018367	0.739962	0.000285	0.005516	4.55E-05	0.007322		
4647_5-25-17-4	0.346025	7.492733	0.461456	3.08767	-0.05324	0.244894	0.27302	24.83935	-0.03618	0.036315	0.009073	0.004599	0.018519	0.735424	0.000287	0.005916	-0.00026	0.007494		
4647_5-25-17-5	0.346765	7.705479	0.473008	3.103152	-0.06127	0.255812	0.267694	24.75775	-0.06041	0.044327	0.009878	0.004552	0.018499	0.755682	0.000288	0.005608	-1.3E-05	0.00736		
4647_5-25-17-6	0.34591	7.733914	0.490924	3.088208	-0.04979	0.252491	0.271325	24.83562	-0.04774	0.040108	0.009346	0.004626	0.018537	0.745924	0.000287	0.005705	-6.1E-05	0.007582		
AVG	0.353455	7.457687	0.495659	3.107903	-0.05736	0.248298	0.266727	24.67353	-0.05345	0.041588	0.009489	0.004746	0.018574	0.747951	0.000288	0.005701	-9.7E-05	0.007364	3.30847	
SD	0.010177	0.241007	0.028964	0.044824	0.006864	0.007308	0.004789	0.156535	0.010494	0.003047	0.000275	0.000175	0.00016	0.008904	2.23E-06	0.000142	0.000114	0.000206		
4650_5-25-17-1	0.394367	6.517927	1.365826	6.711024	-0.00757	0.343651	0.640474	21.04309	-0.0076	0.094721	0.008323	0.006666	0.018901	0.804475	0.000335	0.006426	-7.5E-05	0.007012		
4650_5-25-17-2	0.399293	6.598505	1.36833	6.776501	-0.01874	0.347032	0.638919	21.17922	0.012633	0.09041	0.008412	0.006391	0.019031	0.800476	0.000334	0.006507	-0.00025	0.007423		
4650_5-25-17-3	0.424	6.844544	1.397865	6.786726	-0.01305	0.346048	0.639682	21.22042	-0.00039	0.094569	0.009329	0.006406	0.018942	0.806878	0.000335	0.006555	-0.00018	0.007393		
4650_5-25-17-4	0.405714	6.520617	1.400843	6.690923	-0.01964	0.346406	0.634814	21.25823	0.002273	0.093381	0.008198	0.006586	0.019145	0.794123	0.000334	0.006668	-0.00042	0.007623		
4650_5-25-17-5	0.331284	6.578702	1.387616	6.64316	-0.00973	0.343967	0.62658	21.09168	-0.00707	0.092219	0.008832	0.006389	0.019034	0.809485	0.000335	0.006465	-0.00024	0.006984		
4650_5-25-17-6	0.397609	6.429974	1.348912	6.670098	-0.02456	0.33766	0.62541	20.96673	0.01139	0.083616	0.007783	0.00627	0.01902	0.829864	0.000336	0.006402	-0.00024	0.007233		
AVG	0.392045	6.581712	1.378232	6.713072	-0.01555	0.344127	0.634313	21.12656	0.001873	0.091486	0.008479	0.006451	0.019012	0.80755	0.000335	0.006504	-0.00023	0.007278	3.209889	
SD	0.031587	0.141561	0.020476	0.057754	0.006512	0.003447	0.006743	0.111939	0.008733	0.004176	0.000536	0.000146	8.45E-05	0.012181	8E-07	9.76E-05	0.000111	0.00025		
4656_5-25-17-1	0.282132	0.156918	0.187551	2.237558	-0.00741	0.276131	-0.04958	3.308963	-0.19557	0.005353	-0.00155	0.000272	0.014209	1.207333	0.000303	-0.00394	0.009197	0.004131		
4656_5-25-17-2	0.294905	0.131937	0.167897	2.105748	-0.00624	0.271936	-0.05862	3.073738	-0.19875	0.005214	-0.00143	-0.00018	0.014121	1.21645	0.000305	-0.00423	0.009473	0.004104		
4656_5-25-17-3	0.308561	0.117048	0.176412	2.130277	-0.00553	0.280351	-0.06424	3.012331	-0.20398	0.005967	-0.00145	-0.00037	0.014151	1.221713	0.000307	-0.0043	0.009558	0.003995		
4656_5-25-17-4	0.262948	0.121254	0.153671	2.057725	-0.00527	0.290311	-0.06774	2.895194	-0.20827	0.008521	-0.00157	-1E-04	0.014134	1.240036	0.000312	-0.0042	0.00946	0.004118		
4656_5-25-17-5	0.282866	0.115151	0.171264	2.121753	-0.00455	0.301838	-0.07144	2.794309	-0.20651	0.008743	-0.0017	1.42E-05	0.014043	1.26722	0.000323	-0.00402	0.009387	0.004133		
4656_5-25-17-6	0.272645	0.195262	0.385554	2.763215	-0.00317	0.309877	0.042687	4.130593	-0.19127	0.027395	-0.00193	0.00104	0.014328	1.308176	0.000353	-0.00301	0.008146	0.00445		
AVG	0.284009	0.139595	0.207058	2.236046	-0.00536	0.288407	-0.04482	3.202521	-0.20072	0.010199	-0.00161	0.000113	0.014164	1.243488	0.000317	-0.00395	0.009203	0.004155	22.94151	
SD	0.016119	0.031304	0.088143	0.264928	0.001446	0.015046	0.043547	0.487133	0.006644	0.008566	0.000187	0.000502	9.64E-05	0.038137	1.88E-05	0.000479	0.000532	0.000153		
Puck_5-24-17-1	-0.75556	3.650885	1.362121	1.942924	0.118002	1.448374	0.066142	0.192433	-0.14949	0.119543	0.132661	-0.04263	12.9439	21.95212	0.008243	0.160986	-0.21496	0.001706		
standard_5-24-17-1	0.25428	1.143474	5.426998	32.51777	0.08973	2.410912	2.409078	0.165572	0.149323	0.278242	0.095841	0.010823	0.023987	2.680353	0.001295	0.014142	0.012497	0.090285		
standard_5-24-17-2	0.427058	0.4784	4.467012	28.06677	0.065119	2.207715	2.289002	0.149408	0.162165	0.256509	0.089926	0.010138	0.023392	2.676633	0.001274	0.013781	0.010987	0.091296		
standard_5-24-17-3	0.631667	-0.04229	3.028295	21.13903	0.011524	1.628471	2.119452	0.074987	0.151344	0.250893	0.090166	0.009886	0.022935	2.71565	0.001275	0.014005	0.012196	0.100136		
standard_5-24-17-4	0.440465	0.406272	4.453193	27.83514	0.065415	2.128496	2.285241	0.126447	0.135592	0.264849	0.089959	0.010323	0.023447	2.646747	0.001269	0.013652	0.01162	0.087338		
standard_5-24-17-5	0.426287	0.485858	4.506096	28.22864	0.069519	2.198838	2.317879	0.132727	0.170096	0.260015	0.089673	0.010859	0.023334	2.788281	0.001305	0.013796	0.011538	0.083601		
standard_5-25-17-1	0.37677	0.70874	4.624859	28.84837	0.070025	2.1904	2.298641	0.115401	0.173249	0.258271	0.091011	0.010327	0.02367	2.660403	0.001261	0.013765	0.011617	0.087919		
standard_5-25-17-2	0.428094	0.652854	4.626365	28.75588	0.073423	2.196082	2.344557	0.141306	0.163281	0.26453	0.089961	0.010536	0.023546	2.752333	0.001303	0.013976	0.011566	0.081642		
standard_5-25-17-3	0.395726	0.499087	4.636116	28.60441	0.079617	2.230501	2.341136	0.146466	0.162277	0.26592	0.093437	0.01003	0.023657	2.748771	0.001306	0.013997	0.011063	0.086103		
standard_5-25-17-4	0.403574	0.495758	4.587552	28.39878	0.062215	2.215019	2.335385	0.125449	0.168495	0.263102	0.09138	0.010446	0.02352	2.719678	0.001293	0.014115	0.011795	0.091139		
standard_5-25-17-5	0.423737	0.476743	4.509898	28.52233	0.072534	2.14848	2.309015	0.125792	0.144268	0.273421	0.093101	0.010982	0.023803	2.643117	0.001277	0.014118	0.011971	0.091837		
standard_5-25-17-6	0.424773	0.488205	4.493563	28.12455	0.074129	2.188328	2.311657	0.197332	0.150707	0.269993	0.090007	0.010804	0.023588	2.706586	0.001291	0.014013	0.010443	0.082469		
standard_5-25-17-7	0.448948	0.518964	4.516768	27.90193	0.068601	2.148092	2.29523	0.197567	0.167145	0.262571	0.089849	0.010397	0.02299	2.706675	0.001292	0.013658	0.010981	0.083124		
SD	0.083285	0.265855	0.529619	2.51552	0.018884	0.181281	0.067462	0.034166	0.011675	0.007457	0.001944	0.00035	0.000303	0.044754	1.51E-05	0.000179	0.000576	0.005275		
AVG	0.423448	0.526006	4.489726	28.07863	0.066821	2.157611	2.304689	0.141538	0.158162	0.264026	0.091192	0.010463	0.023489	2.703769	0.001287	0.013918	0.011523	0.088074		

	NaKa1	MgKa1	AlKa1	SiKa1	P Ka1	S Ka1	K Ka1	CaKa1	BaLa1	TiKa1	V Ka1	CrKa1	MnKa1	FeKa1	CoKa1	NiKa1	CuKa1	ZnKa1	Ca/Mg	Si/Ca - chert	K/Al - illite	Si/Al - clay	Si/Ti - detrital	Al/Ti - detrital	Mg/Fe
4610 AVG.	0.3127109	5.7655306	3.3732977	8.7642197	0.0107879	0.1633913	1.0958797	19.999347	0.0251069	0.121299	0.00905	0.0049868	0.0371178	2.6428255	0.0009352	0.0053807	0.0006519	0.0065762	3.4687782	0.4382253	0.324869	2.5981162	72.253043	27.809781	2.1815783
4613 Avg.	0.4339376	4.271359	0.7873882	3.6145701	-0.040194	0.2180457	0.3360838	20.272595	-0.069738	0.0503388	0.0102537	0.003457	0.0273427	2.1515739	0.0007257	0.0040565	0.0015139	0.0072721	4.7461698	0.1782983	0.4268337	4.5905823	71.804855	15.641775	1.9852253
4616 AVG.	0.3432458	8.388685	1.2053918	4.3295668	-0.033597	0.1819765	0.4588323	23.201187	-0.031537	0.0602981	0.0096877	0.0050525	0.0241547	1.2712926	0.0004641	0.0056559	0.0001683	0.0071102	2.7657717	0.1866097	0.3806499	3.5918336	71.802662	19.990531	6.598548
4619 AVG.	0.3497874	9.4930135	0.6938836	3.6902708	-0.04205	0.2064141	0.4056493	23.6166	-0.026261	0.0628199	0.0093194	0.0049184	0.0209795	1.1383077	0.0004205	0.005966	-0.000134	0.0073569	2.4877874	0.1562575	0.5846071	5.3182849	58.743649	11.0456	8.3395847
4627 AVG	0.4442421	4.4072966	0.2479511	2.495595	-0.052224	0.3877868	0.1379355	21.535191	-0.065152	0.0379449	0.0093685	0.0043038	0.0206848	0.9785756	0.0003584	0.0049436	0.0007326	0.0079733	4.8862588	0.1158845	0.5563012	10.064867	65.768933	6.5345061	4.5037875
4632 AVG	0.3770406	6.7816049	2.0714032	7.4618562	-0.005474	0.2088521	0.804773	20.62039	0.0210234	0.1007393	0.0078189	0.0065217	0.020834	0.928003	0.0003777	0.0063619	0.0001142	0.0073616	3.0406358	0.3618678	0.3885159	3.6023196	74.070966	20.56202	7.3077402
4637 AVG	0.3277784	7.402941	1.0354611	4.3228555	-0.024254	0.2564078	0.3475288	23.703875	-0.032794	0.0525769	0.0096985	0.0052934	0.0221273	0.8693418	0.0003393	0.005999	-0.000146	0.0077379	3.2019537	0.1823692	0.3356271	4.1748122	82.219741	19.694237	8.5155699
4638 AVG.	0.5042316	3.9240675	2.7297074	8.5122331	-0.010094	0.3706313	1.3859336	16.868017	0.0413335	0.1394773	0.0058129	0.0060158	0.0189965	1.0810795	0.000433	0.0058672	0.0005074	0.0073776	4.2986051	0.5046375	0.5077224	3.1183683	61.029527	19.570981	3.6297678
4641 AVG	0.3398347	7.7986336	0.8680272	4.0518713	-0.037456	0.3174902	0.3949524	24.038439	-0.029892	0.0564583	0.0087642	0.0055483	0.0188027	0.7301127	0.0002868	0.0058081	-0.000102	0.0073555	3.0823911	0.168558	0.455	4.6679081	71.767471	15.374654	10.681411
4645 AVG	0.3228095	4.0025565	1.260466	5.5184807	-0.017144	0.2837885	0.568729	16.747102	-0.056511	0.0643809	0.0050675	0.0041702	0.0175453	0.9762634	0.0003387	0.0030306	0.0024338	0.0061445	4.1841014	0.3295185	0.4512054	4.3781274	85.716164	19.578271	4.0998736
4647 AVG	0.3534555	7.4576872	0.4956594	3.1079026	-0.05736	0.2482981	0.2667273	24.673532	-0.053453	0.0415883	0.0094892	0.0047456	0.0185743	0.7479511	0.0002882	0.0057006	-9.71E-05	0.0073638	3.3084697	0.125961	0.5381262	6.2702385	74.730165	11.918233	9.9708221
4650 AVG	0.3920445	6.5817115	1.3782322	6.7130719	-0.015549	0.3441274	0.6343133	21.126562	0.0018732	0.0914862	0.0084795	0.0064513	0.0190121	0.8075502	0.0003348	0.0065037	-0.000234	0.0072779	3.2098887	0.3177551	0.4602369	4.8707845	73.378004	15.064925	8.1502198
4656 AVG	0.2840095	0.139595	0.2070582	2.2360459	-0.005363	0.2884074	-0.044821	3.2025213	-0.200724	0.0101989	-0.001606	0.0001127	0.0141645	1.2434879	0.0003171	-0.003953	0.0092034	0.0041553	22.941513	0.6982142	-0.216466	10.79912	219.24481	20.302099	0.1122609

	Ca/Mg	Si/Ca - chert	K/Al - illite	Si/Al - clay	Si/Ti - detrital	Al/Ti - detrital
4610 AVG.	3.468778	0.438225	0.324869	2.598116	72.25304	27.80978
4613 Avg.	4.74617	0.178298	0.426834	4.590582	71.80486	15.64177
4616 AVG.	2.765772	0.18661	0.38065	3.591834	71.80266	19.99053
4619 AVG.	2.487787	0.156258	0.584607	5.318285	58.74365	11.0456
4627 AVG	4.886259	0.115885	0.556301	10.06487	65.76893	6.534506
4632 AVG	3.040636	0.361868	0.388516	3.60232	74.07097	20.56202
4637 AVG	3.201954	0.182369	0.335627	4.174812	82.21974	19.69424
4638 AVG.	4.298605	0.504637	0.507722	3.118368	61.02953	19.57098
4641 AVG	3.082391	0.168558	0.455	4.667908	71.76747	15.37465
4645 AVG	4.184101	0.329519	0.451205	4.378127	85.71616	19.57827
4647 AVG	3.30847	0.125961	0.538126	6.270238	74.73017	11.91823
4650 AVG	3.209889	0.317755	0.460237	4.870784	73.378	15.06493
4656 AVG	22.94151	0.698214	-0.216466	10.79912	219.2448	20.3021

Grain Supported E/B Dolostone

Spiculitic Dolomudstone

Mud-Supported E/B Dolostone

Not Used

Dolomitic Shale and Breccia

	Ca/Mg	Si/Ca - chert	K/Al - illite	Si/Al - clay	Si/Ti - detrital	Al/Ti - detrital	Mg/Fe
4616 AVG.	2.765771675	0.186609708	0.380649945	3.591833616	71.80266168	19.99053112	6.598548
4627 AVG	4.886258776	0.115884505	0.556301186	10.06486679	65.76893332	6.53450609	4.503787
4637 AVG	3.201953744	0.182369152	0.335627117	4.174812194	82.21974116	19.69423709	8.51557
avg	3.617994731	0.161621122	0.42419275	5.943837532	73.26377872	15.40642477	6.539302
4619 AVG.	2.487787407	0.156257502	0.58460712	5.318284934	58.74364855	11.04560009	8.339585
4632 AVG	3.04063579	0.361867844	0.388515869	3.602319613	74.07096642	20.56201958	7.30774
4638 AVG.	4.298605147	0.504637458	0.507722404	3.118368318	61.0295266	19.57098084	3.629768
4645 AVG	4.184101359	0.329518545	0.451205361	4.378127358	85.71616419	19.57827107	4.099874
4650 AVG	3.209888719	0.317755063	0.460236874	4.870784485	73.37800386	15.06492518	8.15022
avg	3.444203685	0.334007282	0.478457525	4.257576942	70.58766192	17.16435935	6.305437
4613 Avg.	4.746169809	0.178298343	0.426833737	4.590582293	71.80485518	15.64177496	1.985225
4641 AVG	3.082391085	0.168558006	0.455000031	4.667908096	71.76747067	15.37465374	10.68141
4647 AVG	3.308469675	0.125960994	0.538126222	6.270238472	74.73016544	11.91823338	9.970822
4656 AVG	22.94151341	0.698214215	-0.216466181	10.79912019	219.2448114	20.30209939	0.112261
avg	3.712343523	0.157605781	0.473319996	5.176242954	72.7674971	14.31155403	7.545819
4610 AVG.	3.468778192	0.438225296	0.324868954	2.598116247	72.25304303	27.80978069	2.181578

	NaKa1	MgKa1	AlKa1	SiKa1	P Ka1	S Ka1	K Ka1	CaKa1	BaLa1	TiKa1	V Ka1	CrKa1	MnKa1	FeKa1	CoKa1	NiKa1	CuKa1	ZnKa1
4610 AVG.	0.312711	5.765531	3.373298	8.76422	0.010788	0.163391	1.09588	19.99935	0.025107	0.121299	0.00905	0.004987	0.037118	2.642825	0.000935	0.005381	0.000652	0.006576
4613 Avg.	0.433938	4.271359	0.787388	3.61457	-0.04019	0.218046	0.336084	20.2726	-0.06974	0.050339	0.010254	0.003457	0.027343	2.151574	0.000726	0.004057	0.001514	0.007272
4641 AVG	0.339835	7.798634	0.868027	4.051871	-0.03746	0.31749	0.394952	24.03844	-0.02989	0.056458	0.008764	0.005548	0.018803	0.730113	0.000287	0.005808	-0.0001	0.007356
4647 AVG	0.353455	7.457687	0.495659	3.107903	-0.05736	0.248298	0.266727	24.67353	-0.05345	0.041588	0.009489	0.004746	0.018574	0.747951	0.000288	0.005701	-9.7E-05	0.007364
4656 AVG	0.284009	0.139595	0.207058	2.236046	-0.00536	0.288407	-0.04482	3.202521	-0.20072	0.010199	-0.00161	0.000113	0.014164	1.243488	0.000317	-0.00395	0.009203	0.004155
Avg.	0.352809	4.916819	0.589533	3.252597	-0.03509	0.26806	0.238236	18.04677	-0.08845	0.039646	0.006725	0.003466	0.019721	1.218281	0.000404	0.002903	0.002629	0.006537
SD	0.061871	3.558996	0.301001	0.779781	0.021689	0.043777	0.195846	10.08497	0.076615	0.020558	0.005587	0.002396	0.005511	0.666131	0.000215	0.00464	0.004448	0.001588
Avg W/O 4	0.375743	6.509227	0.717025	3.591448	-0.045	0.261278	0.332588	22.99486	-0.05103	0.049462	0.009502	0.004584	0.021573	1.209879	0.000434	0.005188	0.000438	0.00733
4619 AVG.	0.349787	9.493014	0.693884	3.690271	-0.04205	0.206414	0.405649	23.6166	-0.02626	0.06282	0.009319	0.004918	0.02098	1.138308	0.00042	0.005966	-0.00013	0.007357
4632 AVG	0.377041	6.781605	2.071403	7.461856	-0.00547	0.208852	0.804773	20.62039	0.021023	0.100739	0.007819	0.006522	0.020834	0.928003	0.000378	0.006362	0.000114	0.007362
4638 AVG.	0.504232	3.924068	2.729707	8.512233	-0.01009	0.370631	1.385934	16.86802	0.041334	0.139477	0.005813	0.006016	0.018997	1.081079	0.000433	0.005867	0.000507	0.007378
4645 AVG	0.32281	4.002556	1.260466	5.518481	-0.01714	0.283788	0.568729	16.7471	-0.05651	0.064381	0.005067	0.00417	0.017545	0.976263	0.000339	0.003031	0.002434	0.006145
4650 AVG	0.392045	6.581712	1.378232	6.713072	-0.01555	0.344127	0.634313	21.12656	0.001873	0.091486	0.008479	0.006451	0.019012	0.80755	0.000335	0.006504	-0.00023	0.007278
Avg.	0.389183	6.156591	1.626738	6.379183	-0.01806	0.282763	0.75988	19.79573	-0.00371	0.091781	0.0073	0.005615	0.019474	0.986241	0.000381	0.005546	0.000538	0.007104
SD	0.069551	2.309064	0.787464	1.857729	0.014182	0.075464	0.378069	2.954482	0.038627	0.031404	0.001798	0.001031	0.001439	0.129943	4.53E-05	0.001431	0.001098	0.000538
4616 AVG.	0.343246	8.388685	1.205392	4.329567	-0.0336	0.181977	0.458832	23.20119	-0.03154	0.060298	0.009688	0.005052	0.024155	1.271293	0.000464	0.005656	0.000168	0.00711
4627 AVG	0.444242	4.407297	0.247951	2.495595	-0.05222	0.387787	0.137936	21.53519	-0.06515	0.037945	0.009368	0.004304	0.020685	0.978576	0.000358	0.004944	0.000733	0.007973
4637 AVG	0.327778	7.402941	1.035461	4.322856	-0.02425	0.256408	0.347529	23.70387	-0.03279	0.052577	0.009698	0.005293	0.022127	0.869342	0.000339	0.005999	-0.00015	0.007738
Avg.	0.371755	6.732974	0.829601	3.716006	-0.03669	0.27539	0.314766	22.81342	-0.04316	0.050273	0.009585	0.004883	0.022322	1.039737	0.000387	0.005533	0.000252	0.007607
SD	0.06325	2.073525	0.510839	1.056912	0.014239	0.10421	0.162938	1.135152	0.019055	0.011353	0.000187	0.000516	0.001743	0.207838	6.72E-05	0.000538	0.000445	0.000446

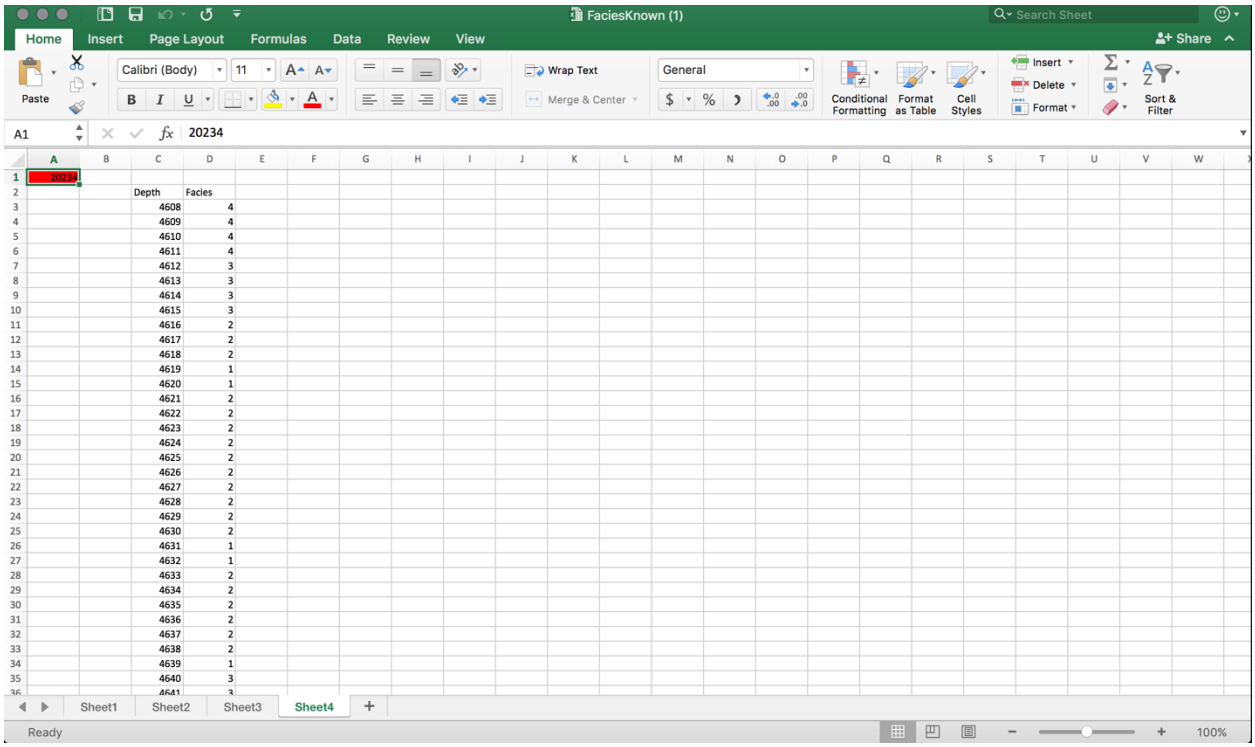
Colors in the tables correspond to lithofacies color codes with the blue substituting for the gray of lithofacies 4A/B.

Appendix C - Neural Network Data

Below is the ANN data used for this study. For copies of the following files contact jakeclayton5@ksu.edu.

Facies Known

20234



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4631	1
4632	1
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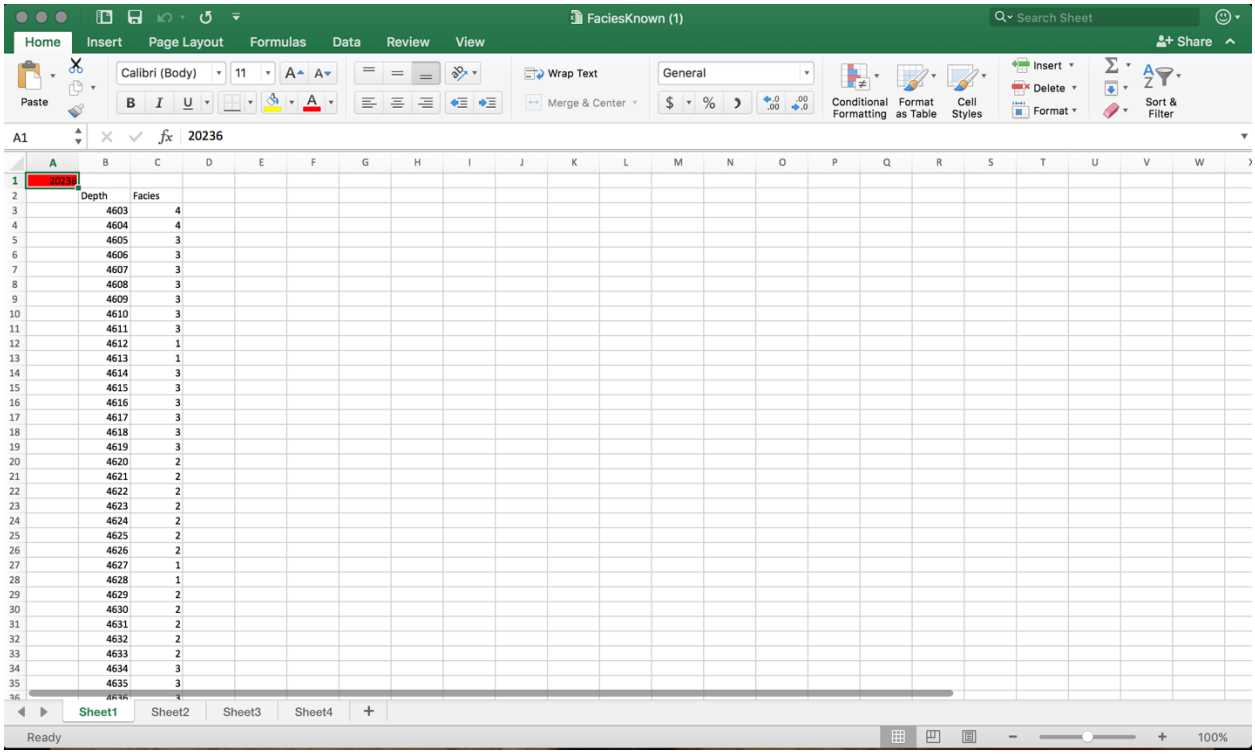
20236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Merge & Center
Conditional Formatting
Format as Table
Cell Styles
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Format
Sort & Filter
A1
20236
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Facies
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4604 4
4605 3
4606 3
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4609 3
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4611 3
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Sheet4
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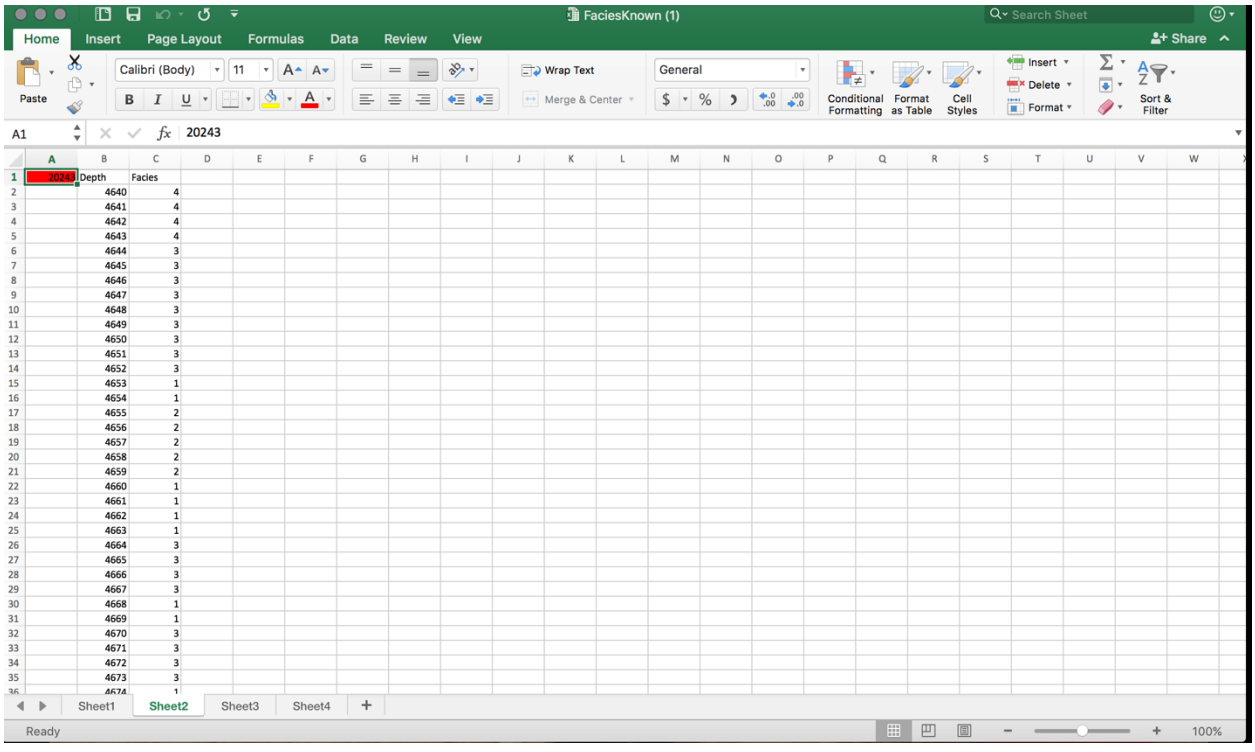
20243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Conditional Formatting
Format as Table
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Insert
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Sort & Filter
A1
20243
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Facies
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4642 4
4643 4
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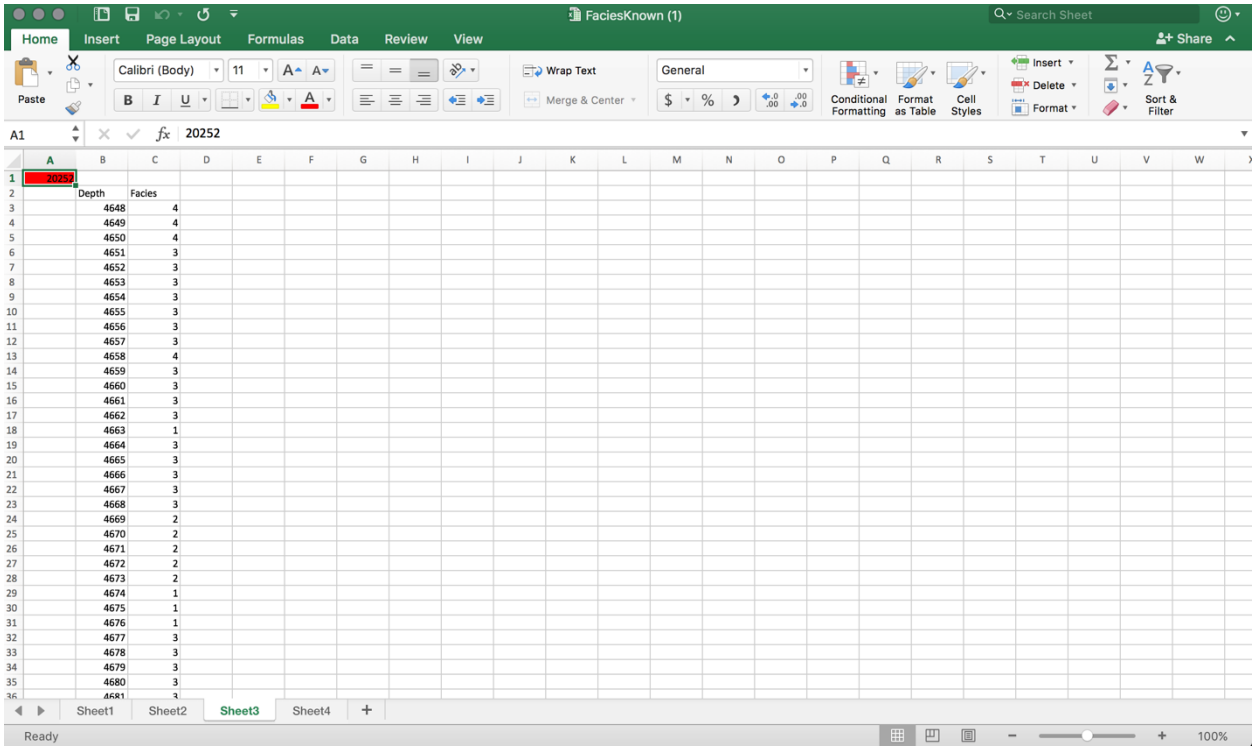
20252



	A	B	C
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2		Depth	Facies
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6		4651	3
7		4652	3
8		4653	3
9		4654	3
10		4655	3
11		4656	3
12		4657	3
13		4658	4
14		4659	3
15		4660	3
16		4661	3
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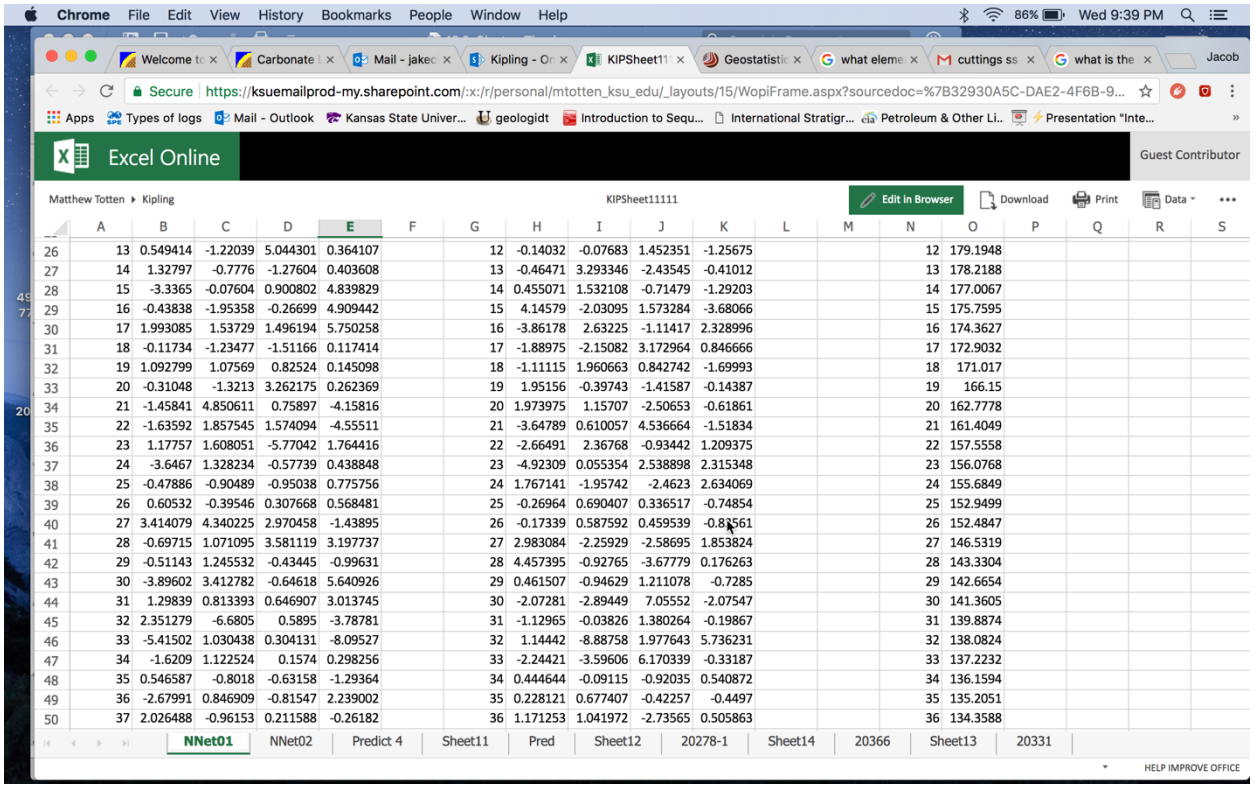
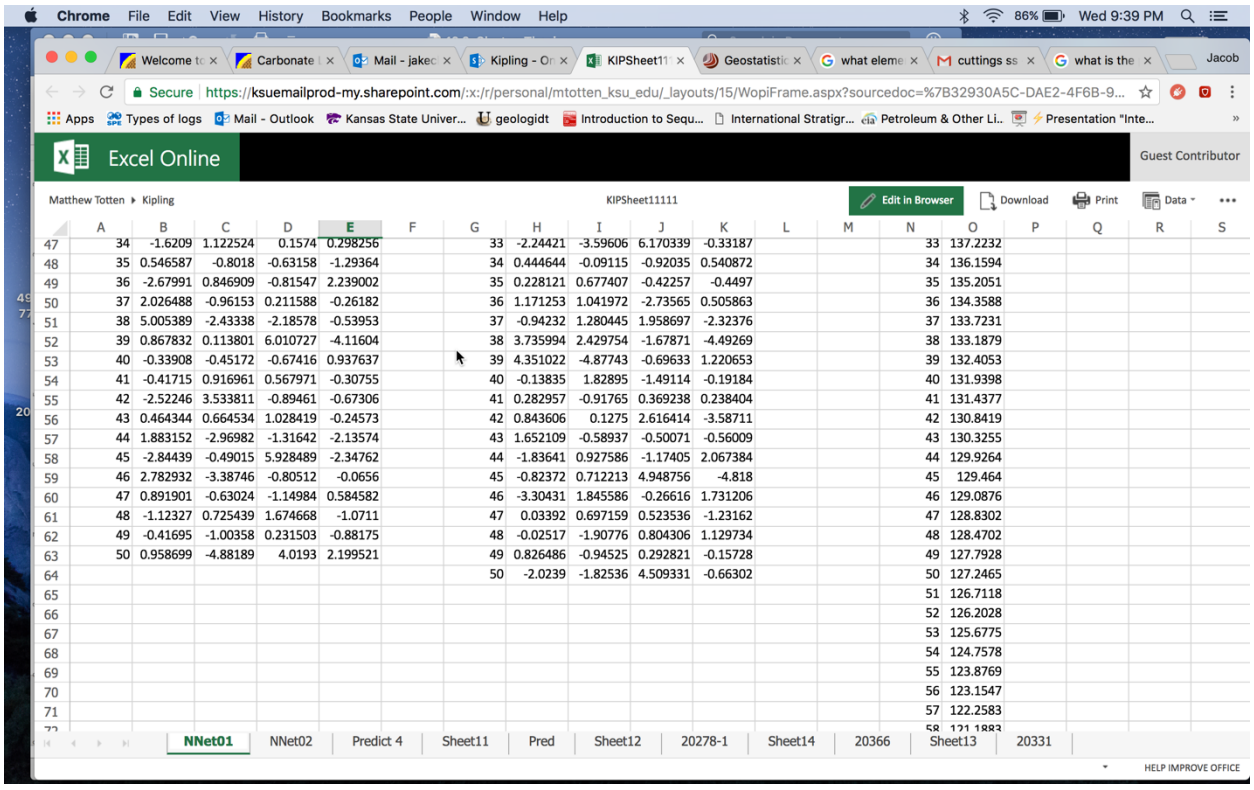
21		4666	3
22		4667	3
23		4668	3
24		4669	2
25		4670	2
26		4671	2
27		4672	2
28		4673	2
29		4674	1
30		4675	1
31		4676	1
32		4677	3
33		4678	3
34		4679	3
35		4680	3

The above files contain the facies know for the Oasis 1 Deutsch (15-083-20234), Oasis 2 Deutsch (15-083-20236), Oasis 3 Deutsch (15-083-20243) and Oasis 5 Deutsch (15-083-20252) wells.

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P
1	1															
2	Number of predictor variables:			3												
3	Number of hidden-layer nodes:			50												
4	Categorical response variable:			Facies												
5	Number of categories:			4												
6	Continuous response variable:			[NONE]												
7	Predictor		Mean	Standard deviation												
8	GR		98.57208	113.205												
9	NEUT		982.7551	76.53772												
10	RHOB		9.056538	9.595435												
11																
12	Input-to-hidden layer weights						Hidden layer-to-output weights							Iteration history		
13	Node	Constant	GR	NEUT	GURD		Node	1	2	3	4			Iteration	Objective function	
14	1	2.697373	7.306152	0.578976	1.161262		Constant	0.844249	0.015403	-0.01089	-0.86219			0	258.1164	
15	2	-9.13124	-1.09557	4.422439	3.857531		1	-7.04318	0.424833	-2.05853	8.694528			1	221.3737	
16	3	0.754436	-0.11797	-1.20983	-0.21417		2	1.084515	6.891844	-3.58347	-4.37008			2	216.5972	
17	4	0.15789	0.905079	-0.22639	-0.51819		3	0.314325	1.521777	-1.07048	-0.75603			3	203.5146	
18	5	3.816594	-0.8238	8.094392	2.878137		4	1.055986	-1.17202	-0.58558	0.738536			4	194.9632	
19	6	-2.44933	0.842705	-0.93798	0.991003		5	-6.72413	4.930145	1.859266	-0.08523			5	189.7626	
20	7	-0.89437	-1.5009	-4.88989	2.965543		6	1.760652	-0.33587	-2.0727	0.64306			6	186.7622	
21	8	-6.82571	6.124773	1.496241	-0.67258		7	1.620262	0.471092	-3.10718	1.00857			7	185.1388	
22	9	0.147982	0.496668	1.094676	-0.94439		8	8.090484	-1.34631	-4.20962	-2.54878			8	183.2583	
23	10	-0.59173	1.361906	2.272444	-6.26383		9	0.777161	-1.03263	-0.28494	0.511508			9	182.2498	
24	11	1.999135	-3.67445	-5.38109	-7.51633		10	-3.79591	3.491182	-0.09149	0.382216			10	181.2638	
25	12	1.017838	-0.7835	-0.09538	0.576859		11	6.59547	-2.62912	-1.45937	-2.51722			11	180.187	



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S
26	13	0.549414	-1.22039	5.044301	0.364107		12	-0.14032	-0.07683	1.452351	-1.25675			12	179.1948				
27	14	1.32797	-0.7776	-1.27604	0.403608		13	-0.46471	3.293346	-2.43545	-0.41012			13	178.2188				
28	15	-3.3365	-0.07604	0.900802	4.839829		14	0.455071	1.532108	-0.71479	-1.29203			14	177.0067				
29	16	-0.43838	-1.95358	-0.26699	4.909442		15	4.14579	-2.03095	1.573284	-3.68066			15	175.7595				
30	17	1.993085	1.53729	1.496194	5.750258		16	-3.86178	2.63225	-1.11417	2.328996			16	174.3627				
31	18	-0.11734	-1.23477	-1.51166	0.117414		17	-1.88975	-2.15082	3.172964	0.846666			17	172.9032				
32	19	1.092799	1.07569	0.82524	0.145098		18	-1.11115	1.960663	0.842742	-1.69993			18	171.017				
33	20	-0.31048	-1.3213	3.262175	0.262369		19	1.95156	-0.39743	-1.41587	-0.14387			19	166.15				
34	21	-1.45841	4.850611	0.75897	-4.15816		20	1.973975	1.15707	-2.50653	-0.61861			20	162.7778				
35	22	-1.63592	1.857545	1.574094	-4.55511		21	-3.64789	0.610057	4.536664	-1.51834			21	161.4049				
36	23	1.17757	1.608051	-5.77042	1.764416		22	-2.66491	2.36768	-0.93442	1.209375			22	157.5558				
37	24	-3.6467	1.328234	-0.57739	0.438848		23	-4.92309	0.055354	2.538898	2.315348			23	156.0768				
38	25	-0.47886	-0.90489	-0.95038	0.775756		24	1.767141	-1.95742	-2.4623	2.634069			24	155.6849				
39	26	0.60532	-0.39546	0.307668	0.568481		25	-0.26964	0.690407	0.336517	-0.74854			25	152.9499				
40	27	3.414079	4.340225	2.970458	-1.43895		26	-0.17339	0.587592	0.459539	-0.83561			26	152.4847				
41	28	-0.69715	1.071095	3.581119	3.197737		27	2.983084	-2.25929	-2.58695	1.853824			27	146.5319				
42	29	-0.51143	1.245532	-0.43445	-0.99631		28	4.457395	-0.92765	-3.67779	0.176263			28	143.3304				
43	30	-3.89602	3.412782	-0.64618	5.640926		29	0.461507	-0.94629	1.211078	-0.7285			29	142.6654				
44	31	1.29839	0.813393	0.646907	3.013745		30	-2.07281	-2.89449	7.05552	-2.07547			30	141.3605				
45	32	2.351279	-6.6805	0.5895	-3.78781		31	-1.12965	-0.03826	1.380264	-0.19867			31	139.8874				
46	33	-5.41502	1.030438	0.304131	-8.09527		32	1.14442	-8.88758	1.977643	5.736231			32	138.0824				
47	34	-1.6209	1.122524	0.1574	0.298256		33	-2.24421	-3.59606	6.170339	-0.33187			33	137.2232				
48	35	0.546587	-0.8018	-0.63158	-1.29364		34	0.444644	-0.09115	-0.92035	0.540872			34	136.1594				
49	36	-2.67991	0.846909	-0.81547	2.239002		35	0.228121	0.677407	-0.42257	-0.4497			35	135.2051				
50	37	2.026488	-0.96153	0.211588	-0.26182		36	1.171253	1.041972	-2.73565	0.505863			36	134.3588				



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48	35	0.546587	-0.8018	-0.63158	-1.29364		34	0.444644	-0.09115	-0.92035	0.540872			34	136.1594				
49	36	-2.67991	0.846909	-0.81547	2.239002		35	0.228121	0.677407	-0.42257	-0.4497			35	135.2051				
50	37	2.026488	-0.96153	0.211588	-0.26182		36	1.171253	1.041972	-2.73565	0.505863			36	134.3588				
51	38	5.005389	-2.43338	-2.18578	-0.53953		37	-0.94232	1.280445	1.958697	-2.32376			37	133.7231				
52	39	0.867832	0.113801	6.010727	-4.11604		38	3.735994	2.429754	-1.67871	-4.49269			38	133.1879				
53	40	-0.33908	-0.45172	-0.67416	0.937637		39	4.351022	-4.87743	-0.69633	1.220653			39	132.4053				
54	41	-0.41715	0.916961	0.567971	-0.30755		40	-0.13835	1.82895	-1.49114	-0.19184			40	131.9398				
55	42	-2.52246	3.533811	-0.89461	-0.67306		41	0.282957	-0.91765	0.369238	0.238404			41	131.4377				
56	43	0.464344	0.664534	1.028419	-0.24573		42	0.843606	0.1275	2.616414	-3.58711			42	130.8419				
57	44	1.883152	-2.96982	-1.31642	-2.13574		43	1.652109	-0.58937	-0.50071	-0.56009			43	130.3255				
58	45	-2.84439	-0.49015	5.928489	-2.34762		44	-1.83641	0.927586	-1.17405	2.067384			44	129.9264				
59	46	2.782932	-3.38746	-0.80512	-0.0656		45	-0.82372	0.712213	4.948756	-4.818			45	129.464				
60	47	0.891901	-0.63024	-1.14984	0.584582		46	-3.30431	1.845586	-0.26616	1.731206			46	129.0876				
61	48	-1.12327	0.725439	1.674668	-1.0711		47	0.03392	0.697159	0.523536	-1.23162			47	128.8302				
62	49	-0.41695	-1.00358	0.231503	-0.88175		48	-0.02517	-1.90776	0.804306	1.129734			48	128.4702				
63	50	0.958699	-4.88189	4.0193	2.199521		49	0.826486	-0.94525	0.292821	-0.15728			49	127.7928				
64							50	-2.0239	-1.82536	4.509331	-0.66302			50	127.2465				
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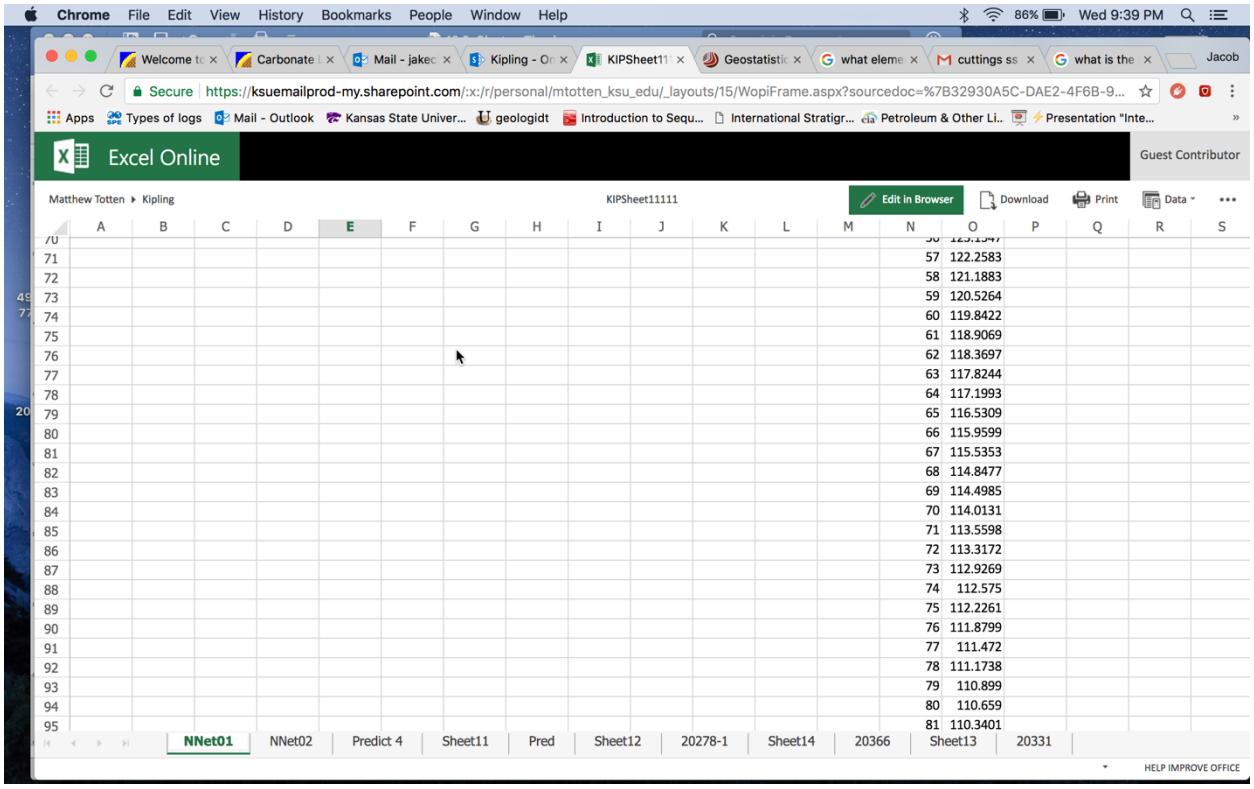
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Sheet13
20331
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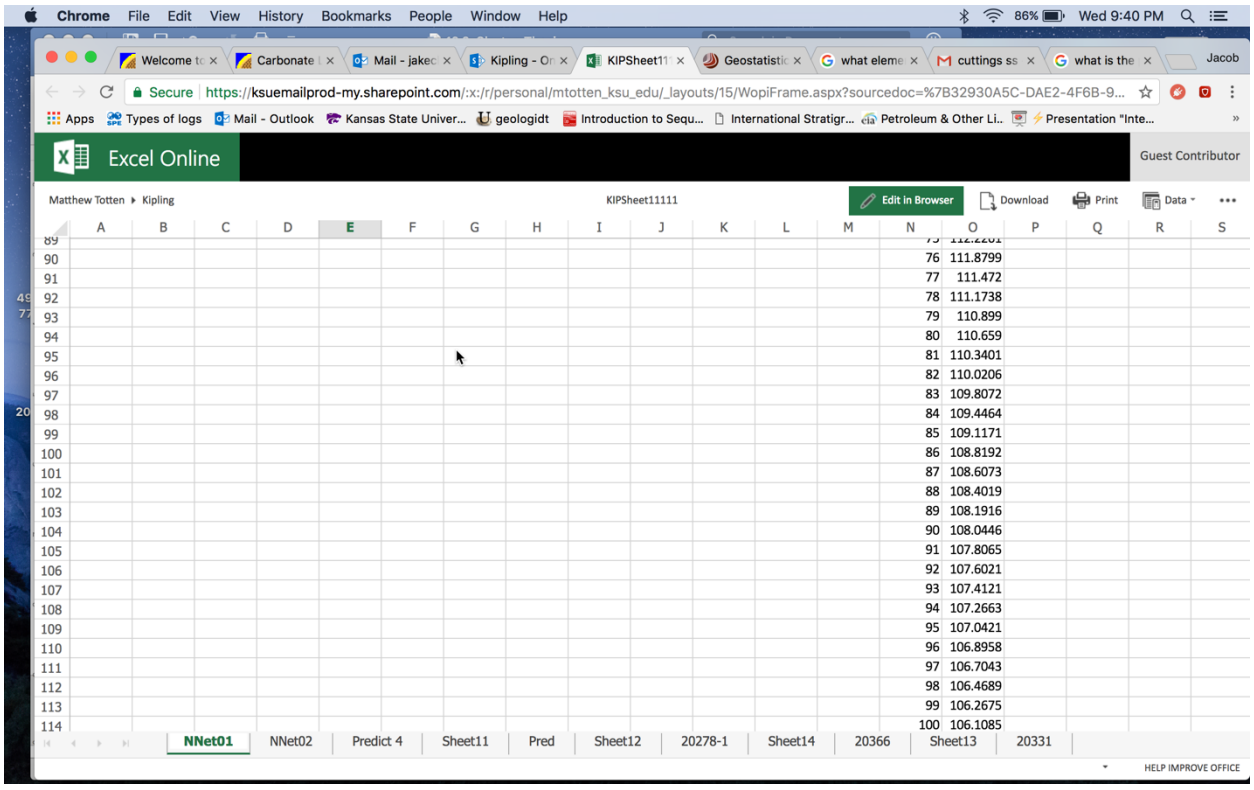
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NNet01
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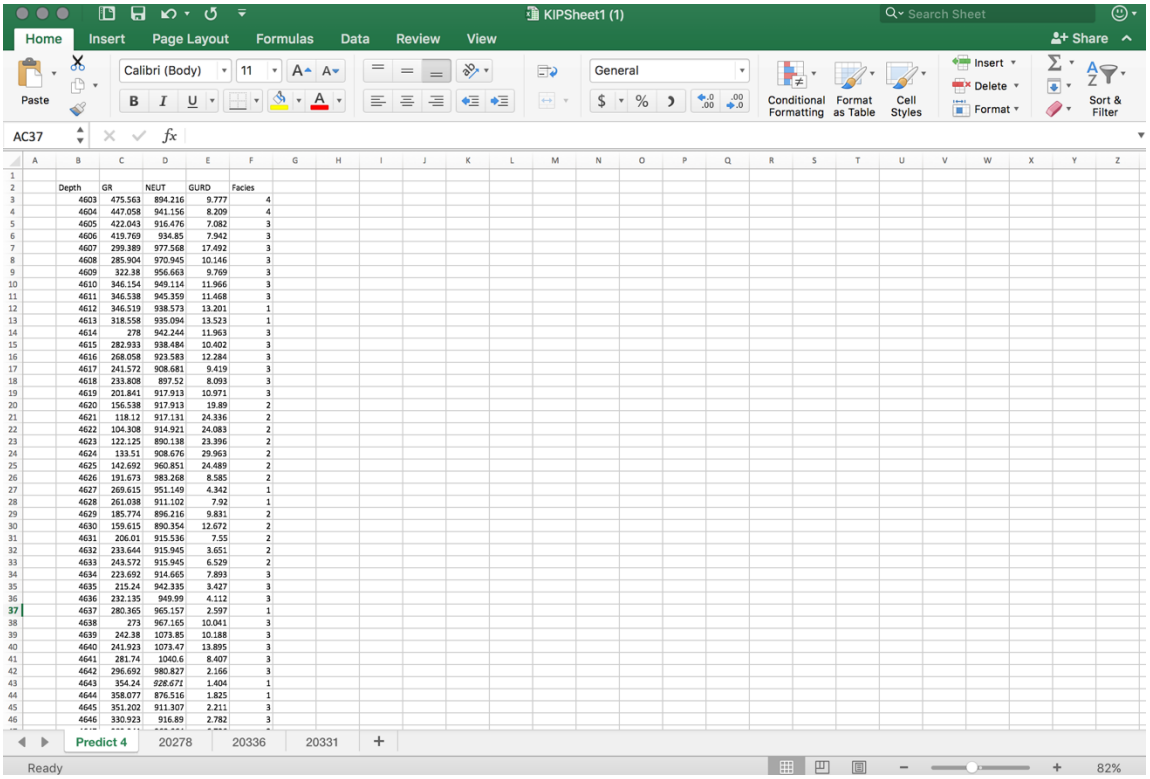
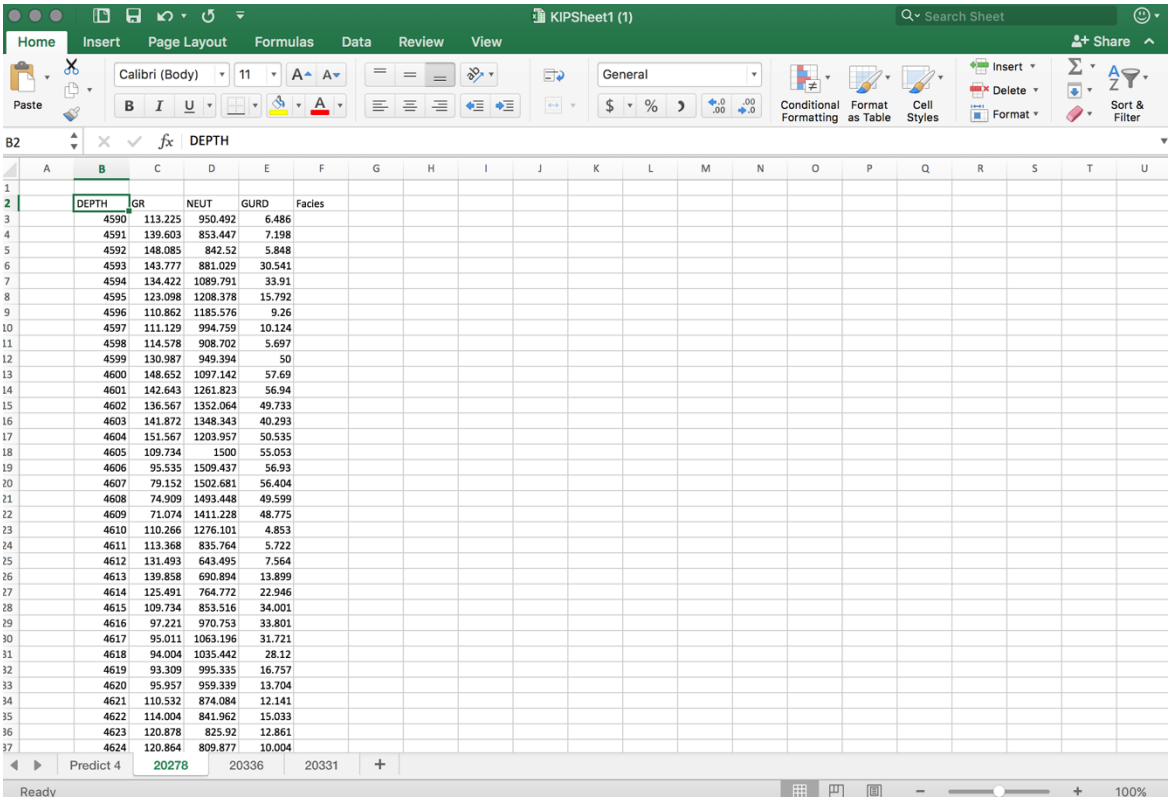
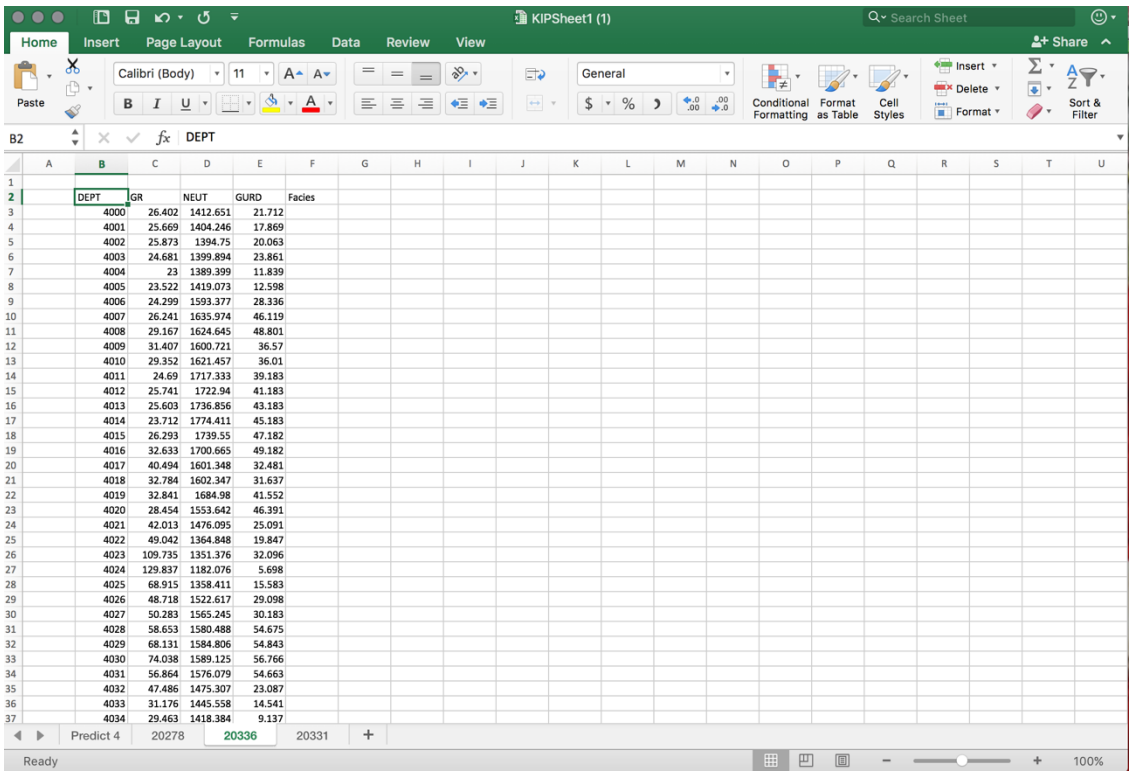
The above figures are copies of the ANN data as it is put out by Kipling. The following files will be the input and associated output data from the ANN model.





DEPTH	GR	NEUT	GURD	Facies
4590	113.225	950.492	6.486	
4591	139.603	853.447	7.198	
4592	148.085	842.52	5.848	
4593	143.777	881.029	30.541	
4594	134.422	1089.791	33.91	
4595	123.098	1208.378	15.792	
4596	110.862	1185.576	9.26	
4597	111.129	994.759	10.124	
4598	114.578	908.702	5.697	
4599	130.987	949.394	50	
4600	148.652	1097.142	57.69	
4601	142.643	1261.823	56.94	
4602	136.567	1352.064	49.733	
4603	141.872	1348.343	40.293	
4604	151.567	1203.957	50.535	
4605	109.734	1500	55.053	
4606	95.535	1509.437	56.93	
4607	79.152	1502.681	56.404	
4608	74.909	1493.448	49.599	
4609	71.074	1411.228	48.775	
4610	110.266	1276.101	4.853	
4611	113.368	835.764	5.722	
4612	131.493	643.495	7.564	
4613	139.858	690.894	13.899	
4614	125.491	764.772	22.946	
4615	109.734	853.516	34.001	
4616	97.221	970.753	33.801	
4617	95.011	1063.196	31.721	
4618	94.004	1035.442	28.12	
4619	93.309	995.335	16.757	
4620	95.957	959.339	13.704	
4621	110.532	874.084	12.141	
4622	114.004	841.962	15.033	
4623	120.878	825.92	12.861	
4624	120.864	809.877	10.004	



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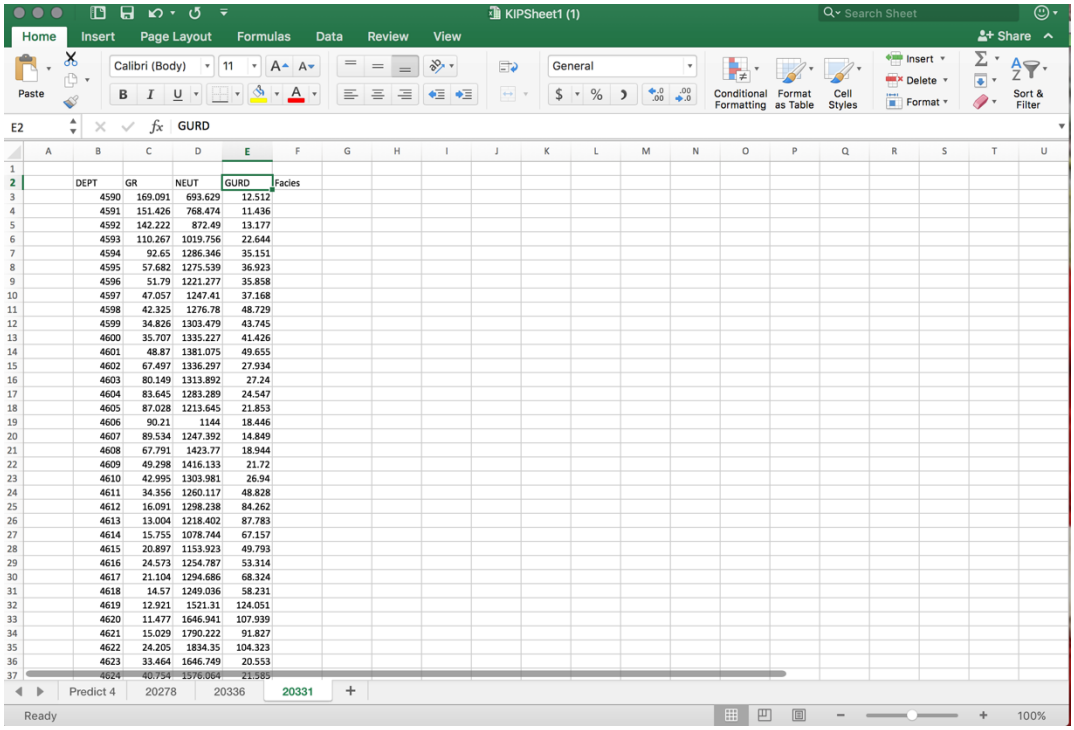
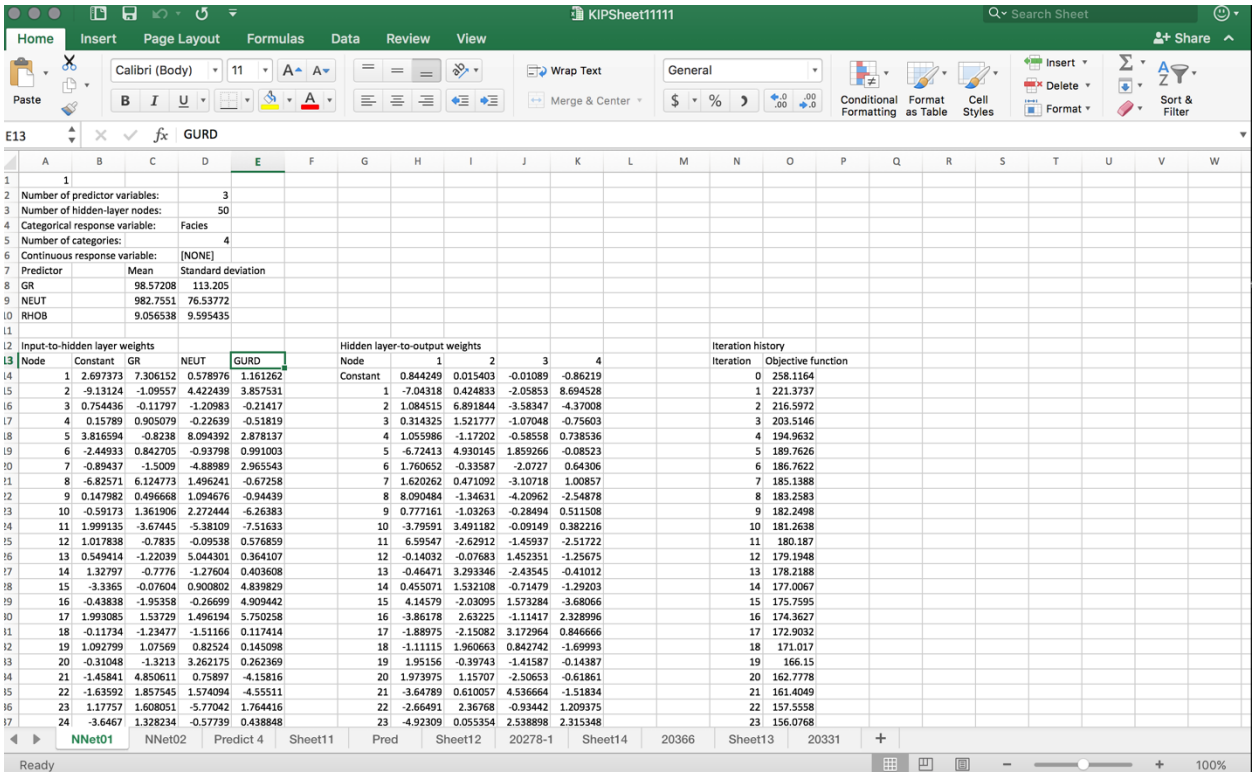
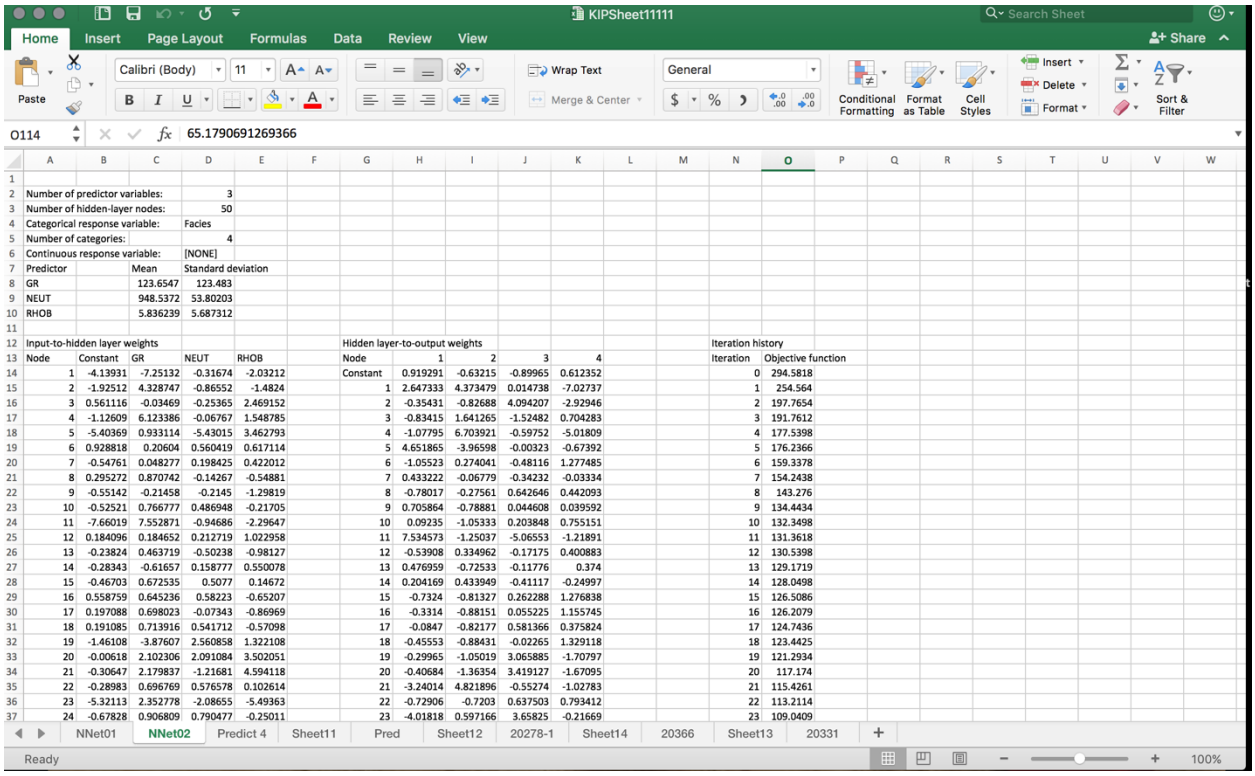
4002	25.873	1394.75	20.063	
4003	24.681	1399.894	23.861	
4004	23	1389.399	11.839	
4005	23.522	1419.073	12.598	
4006	24.299	1593.377	28.336	
4007	26.241	1635.974	46.119	
4008	29.167	1624.645	48.801	
4009	31.407	1600.721	36.57	
4010	29.352	1621.457	36.01	
4011	24.69	1717.333	39.183	
4012	25.741	1722.94	41.183	
4013	25.603	1736.856	43.183	
4014	23.712	1774.411	45.183	
4015	26.293	1739.55	47.182	
4016	32.633	1700.665	49.182	
4017	40.494	1601.348	32.481	
4018	32.784	1602.347	31.637	
4019	32.841	1684.98	41.552	
4020	28.454	1553.642	46.391	
4021	42.013	1476.095	25.091	
4022	49.042	1364.848	19.847	
4023	109.735	1351.376	32.096	
4024	129.837	1182.076	5.698	
4025	68.915	1358.411	15.583	
4026	48.718	1522.617	29.098	
4027	50.283	1565.245	30.183	
4028	58.653	1580.488	54.675	
4029	68.131	1584.806	54.843	
4030	74.038	1589.125	56.766	
4031	56.864	1576.079	54.663	
4032	47.486	1475.307	23.087	
4033	31.176	1445.558	14.541	
4034	29.463	1418.384	9.137	



NNet01 and NNet02

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Number of hidden-layer nodes: 50
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Predictor Mean Standard deviation
GR 123.6547 123.483
NEUT 948.5372 53.80203
RHOB 5.836239 5.687312
Input-to-hidden layer weights
Node Constant GR NEUT RHOB
1 -4.13931 -7.25132 -0.31674 -2.03212
2 -1.92512 4.328747 -0.86552 -1.4824
3 0.561116 -0.03469 -0.25365 2.469152
4 -1.12609 6.123386 -0.06767 1.548785
5 -5.40369 0.933114 -5.43015 3.462793
6 0.928818 0.20604 0.560419 0.617114
7 -0.54761 0.048277 0.198425 0.422012
8 0.295272 0.870742 -0.14267 -0.54881
9 -0.55142 -0.21458 -0.2145 -1.29819
10 -0.52521 0.766777 0.486948 -0.21705
11 -7.66019 7.552871 -0.94686 -2.29647
12 0.184096 0.184652 0.212719 1.022958
13 -0.23824 0.463719 -0.50238 -0.98127
14 -0.28343 -0.61657 0.158777 0.550078
15 -0.46703 0.672535 0.5077 0.14672
16 0.558759 0.645236 0.58223 -0.65207
17 0.197088 0.698023 -0.07343 -0.86969
18 0.191085 0.713916 0.541712 -0.57098
19 -1.46108 -3.87607 2.560858 1.322108
20 -0.00618 2.102306 2.091084 3.502051
21 -0.30647 2.179837 -1.21681 4.594118
22 -0.28983 0.696769 0.576578 0.102614
23 -5.32113 2.352778 -2.08655 -5.49363
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Hidden layer-to-output weights
Node 1 2 3 4
Constant 0.919291 -0.63215 -0.89965 0.612352
1 2.647333 4.373479 0.014738 -7.02737
2 -0.35431 -0.82688 4.094207 -2.92946
3 -0.83415 1.641265 -1.52482 0.704283
4 -1.07795 6.703921 -0.59752 -5.01809
5 4.651865 -3.96598 -0.00323 -0.67392
6 -1.05523 0.274041 -0.48116 1.277485
7 0.433222 -0.06779 -0.34232 -0.03334
8 -0.78017 -0.27561 0.642646 0.442093
9 0.705864 -0.78881 0.044608 0.039592
10 0.09235 -1.05333 0.203848 0.755151
11 7.534573 -1.25037 -5.06553 -1.21891
12 -0.53908 0.334962 -0.17175 0.400883
13 0.476959 -0.72533 -0.11776 0.374
14 0.204169 0.433949 -0.41117 -0.24997
15 -0.7324 -0.81327 0.262288 1.276838
16 -0.3314 -0.88151 0.055225 1.155745
17 -0.0847 -0.82177 0.581366 0.375824
18 -0.45553 -0.88431 -0.02265 1.329118
19 -0.29965 -1.05019 3.065885 -1.70797
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NNet02
Predict 4
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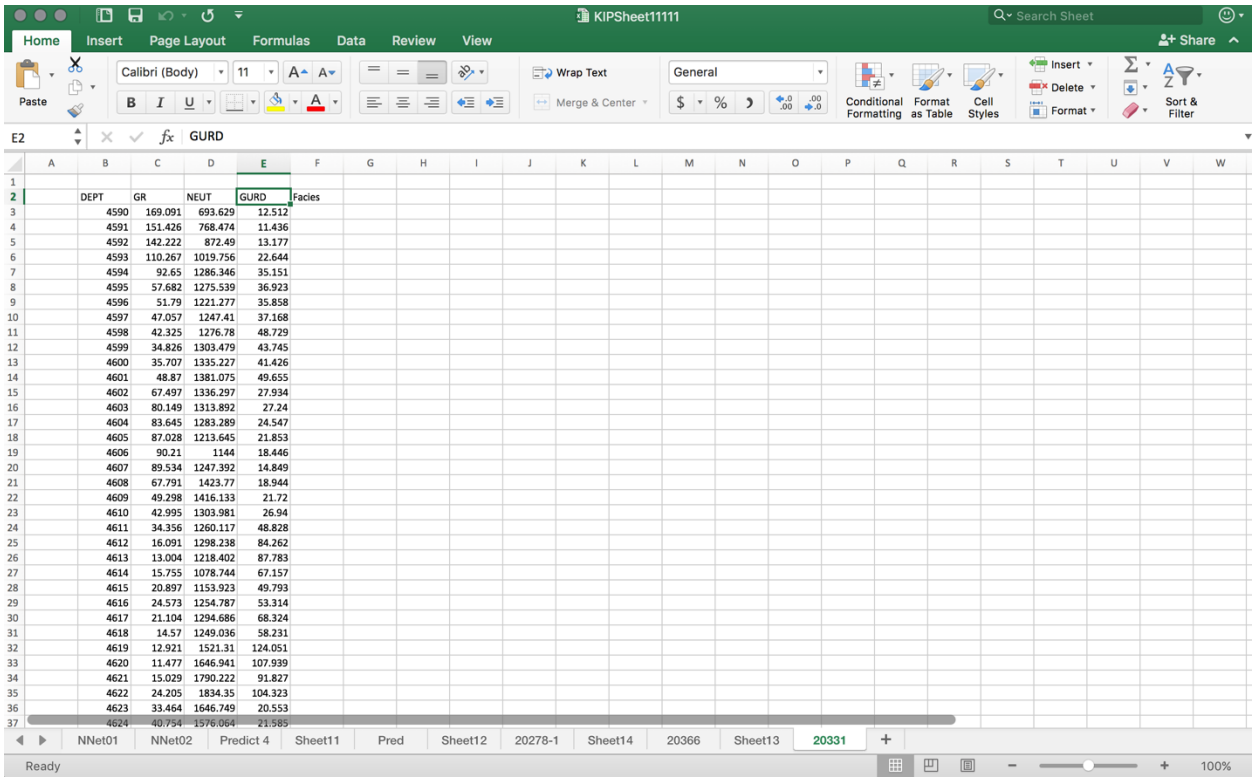
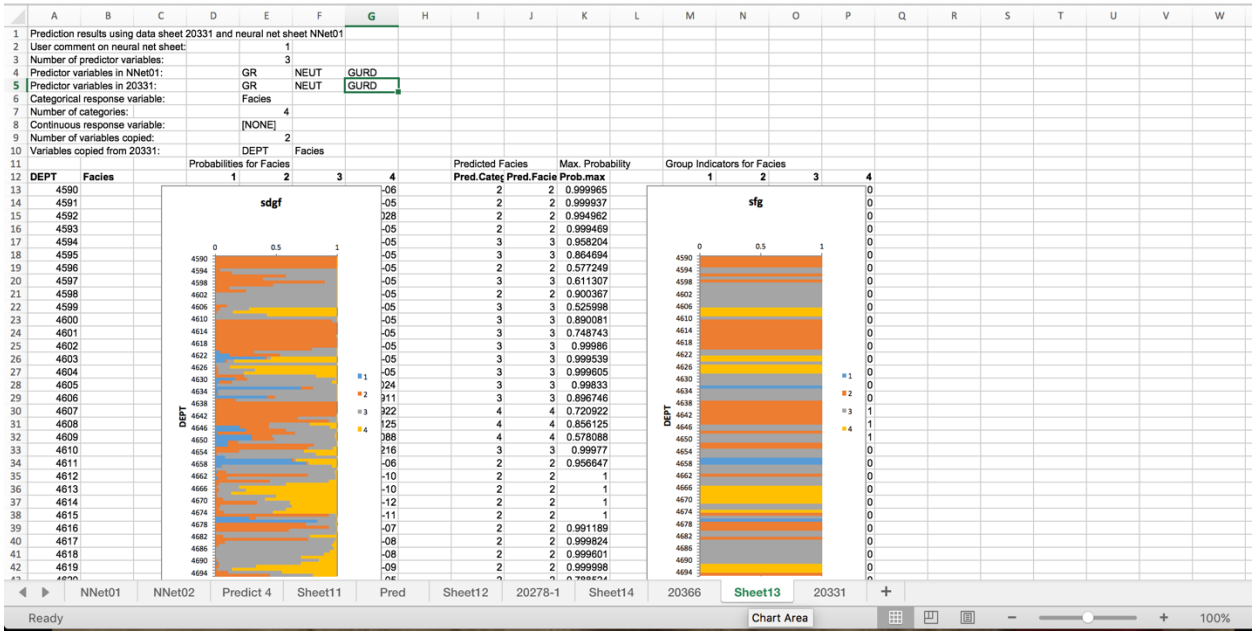


KIPSheet11111

DEPT	GR	NEUT	GURD	Facies
4590	169.091	693.629	12.512	
4591	151.426	768.474	11.436	
4592	142.222	872.49	13.177	
4593	110.267	1019.756	22.644	
4594	92.65	1286.346	35.151	
4595	57.682	1275.539	36.923	
4596	51.79	1221.277	35.858	
4597	47.057	1247.41	37.168	
4598	42.325	1276.78	48.729	
4599	34.826	1303.479	43.745	
4600	35.707	1335.227	41.426	
4601	48.87	1381.075	49.655	
4602	67.497	1336.297	27.934	
4603	80.149	1313.892	27.24	
4604	83.645	1283.289	24.547	
4605	87.028	1213.645	21.853	
4606	90.21	1144	18.446	
4607	89.534	1247.392	14.849	
4608	67.791	1423.77	18.944	
4609	49.298	1416.133	21.72	
4610	42.995	1303.981	26.94	
4611	34.356	1260.117	48.828	
4612	16.091	1298.238	84.262	
4613	13.004	1218.402	87.783	
4614	15.755	1078.744	67.157	
4615	20.897	1153.923	49.793	
4616	24.573	1254.787	53.314	
4617	21.104	1294.686	68.324	
4618	14.57	1249.036	58.231	
4619	12.921	1521.31	124.051	
4620	11.477	1646.941	107.939	
4621	15.029	1790.222	91.827	
4622	24.205	1834.35	104.323	
4623	33.464	1646.749	20.553	
4624	40.754	1576.064	21.585	



Prediction results using data sheet 20331 and neural net sheet NNet01				
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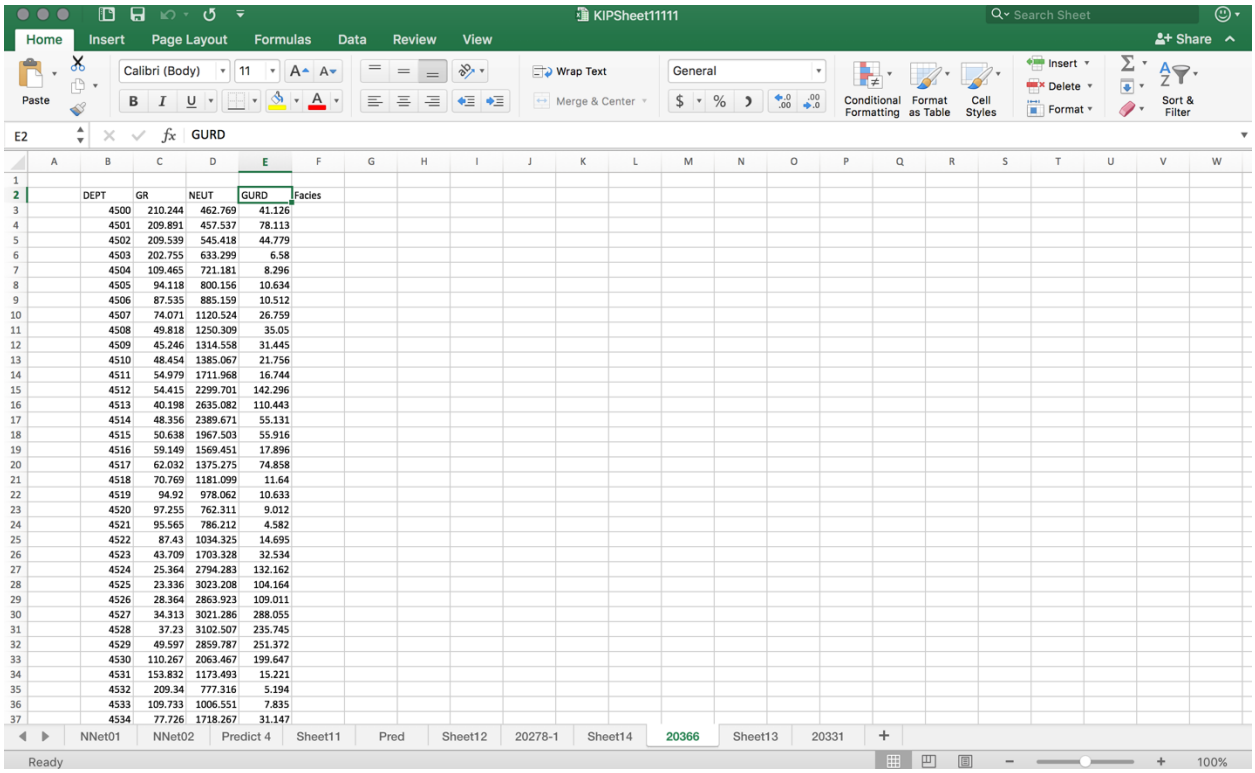
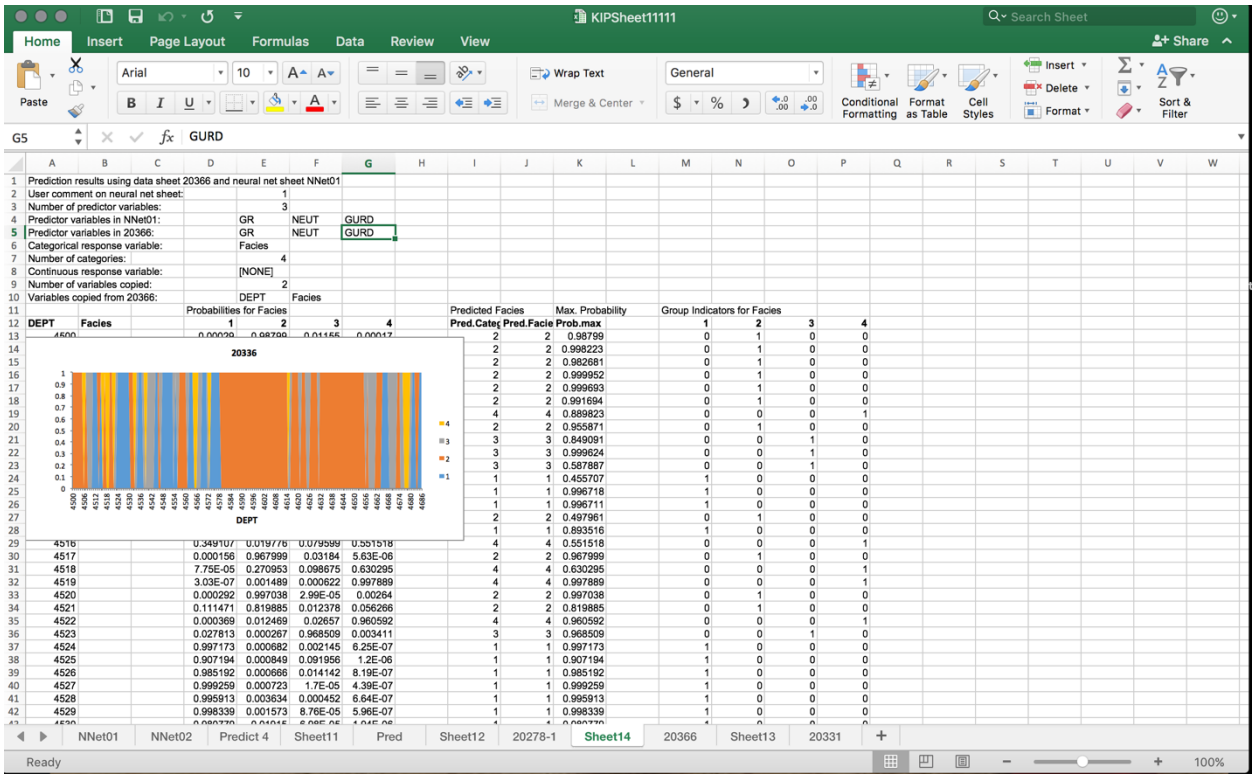
Number of predictor variables:		3		
Predictor variables in NNet01:		GR	NEUT	GURD
Predictor variables in 20331:		GR	NEUT	GURD
Categorical response variable:		Facies		
Number of categories:		4		
Continuous response variable:		[NONE]		
Number of variables copied:		2		
Variables copied from 20331:		DEPT	Facies	

		Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	Facies	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4590					-06	2	2	0.999965				0
4591					-05	2	2	0.999937				0
4592					028	2	2	0.994962				0
4593					-05	2	2	0.999469				0
4594					-05	3	3	0.958204				0
4595					-05	3	3	0.864694				0
4596					-05	2	2	0.577249				0
4597					-05	3	3	0.611307				0
4598					-05	2	2	0.900367				0
4599					-05	3	3	0.525998				0
4600					-05	3	3	0.890081				0
4601					-05	3	3	0.748743				0
4602					-05	3	3	0.99986				0
4603					-05	3	3	0.999539				0
4604					-05	3	3	0.999605				0
4605					024	3	3	0.99833				0
4606					911	3	3	0.896746				0
4607					922	4	4	0.720922				1
4608					125	4	4	0.856125				1
4609					088	4	4	0.578088				1
4610					216	3	3	0.99977				0
4611					-06	2	2	0.956647				0
4612					-10	2	2	1				0
4613					-10	2	2	1				0
4614					-12	2	2	1				0
4615					-11	2	2	1				0
4616					-07	2	2	0.991189				0
4617					-08	2	2	0.999824				0
4618					-08	2	2	0.999601				0
4619					-09	2	2	0.999998				0

20366



	DEPT	GR	NEUT	GURD	Facies
1					
2	4500	210.244	462.769	41.126	
3	4501	209.891	457.537	78.113	
4	4502	209.539	545.418	44.779	
5	4503	202.755	633.299	6.58	
6	4504	109.465	721.181	8.296	
7	4505	94.118	800.156	10.634	
8	4506	87.535	885.159	10.512	
9	4507	74.071	1120.524	26.759	
10	4508	49.818	1250.309	35.05	
11	4509	45.246	1314.558	31.445	
12	4510	48.454	1385.067	21.756	
13	4511	54.979	1711.968	16.744	
14	4512	54.415	2299.701	142.296	
15	4513	40.198	2635.082	110.443	
16	4514	48.356	2389.671	55.131	
17	4515	50.638	1967.503	55.916	
18	4516	59.149	1569.451	17.896	
19	4517	62.032	1375.275	74.858	
20	4518	70.769	1181.099	11.64	
21	4519	94.92	978.062	10.633	
22	4520	97.255	762.311	9.012	
23	4521	95.565	786.212	4.582	
24	4522	87.43	1034.325	14.695	
25	4523	43.709	1703.328	32.534	
26	4524	25.364	2794.283	132.162	
27	4525	23.336	3023.208	104.164	
28	4526	28.364	2863.923	109.011	
29	4527	34.313	3021.286	288.055	
30	4528	37.23	3102.507	235.745	
31	4529	49.597	2859.787	251.372	
32	4530	110.267	2063.467	199.647	
33	4531	153.832	1173.493	15.221	
34	4532	209.34	777.316	5.194	
35	4533	109.733	1006.551	7.835	
36	4534	77.726	1718.267	31.147	
37					



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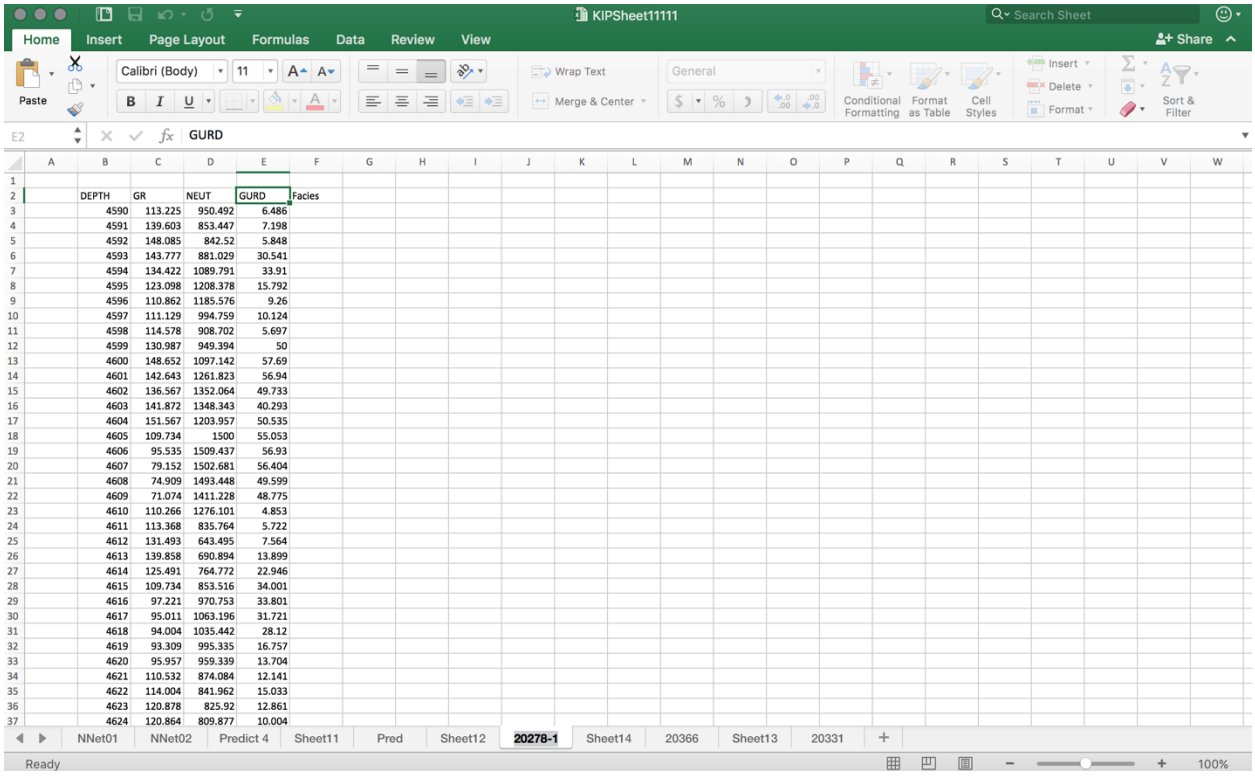
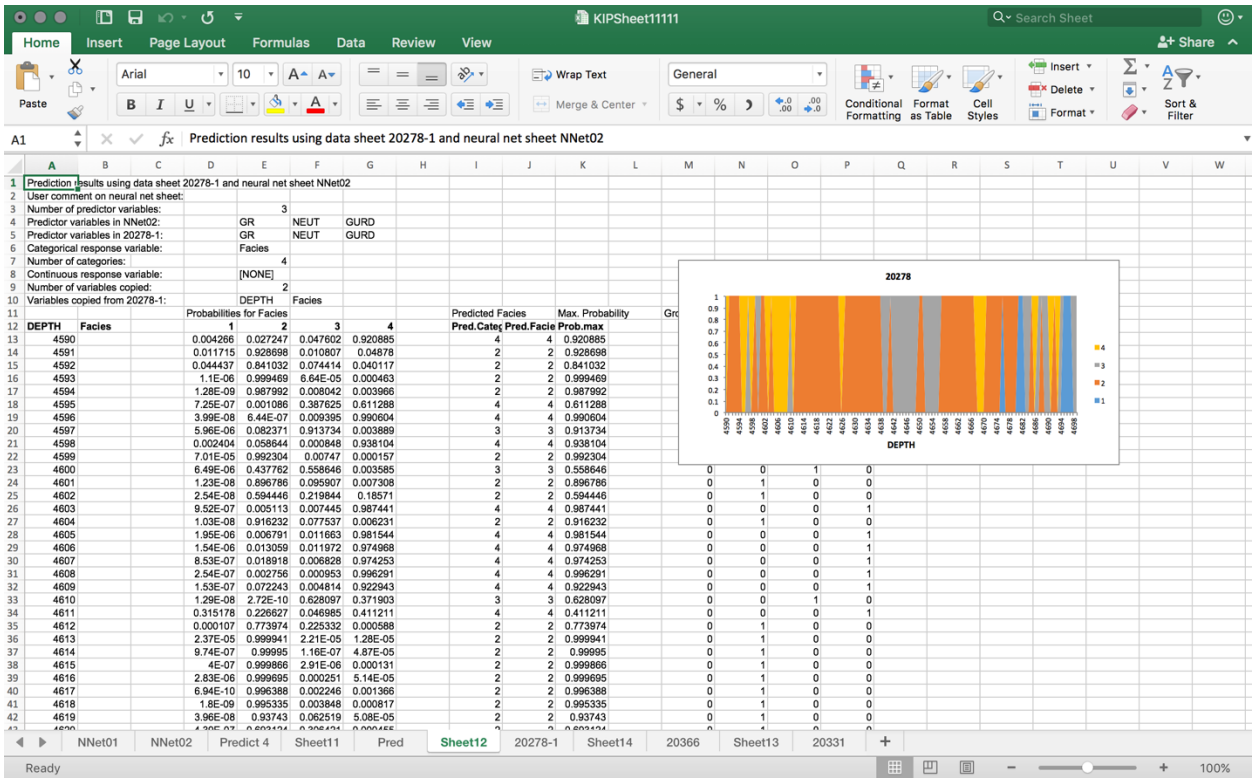


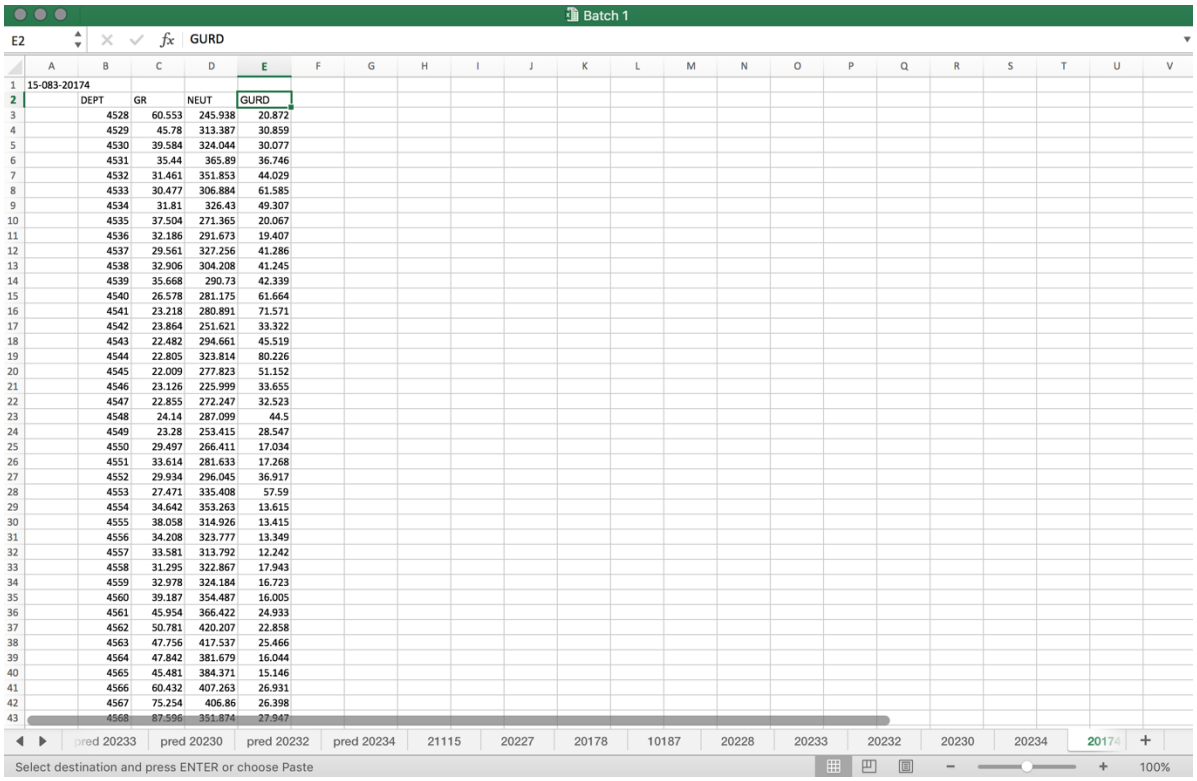
	DEPTH	GR	NEUT	GURD	Facies
3	4590	113.225	950.492	6.486	
4	4591	139.603	853.447	7.198	
5	4592	148.085	842.52	5.848	
6	4593	143.777	881.029	30.541	
7	4594	134.422	1089.791	33.91	
8	4595	123.098	1208.378	15.792	
9	4596	110.862	1185.576	9.26	
10	4597	111.129	994.759	10.124	
11	4598	114.578	908.702	5.697	
12	4599	130.987	949.394	50	
13	4600	148.652	1097.142	57.69	
14	4601	142.643	1261.823	56.94	
15	4602	136.567	1352.064	49.733	
16	4603	141.872	1348.343	40.293	
17	4604	151.567	1203.957	50.535	
18	4605	109.734	1500	55.053	
19	4606	95.535	1509.437	56.93	
20	4607	79.152	1502.681	56.404	
21	4608	74.909	1493.448	49.599	
22	4609	71.074	1411.228	48.775	
23	4610	110.266	1276.101	4.853	
24	4611	113.368	835.764	5.722	
25	4612	131.493	643.495	7.564	
26	4613	139.858	690.894	13.899	
27	4614	125.491	764.772	22.946	
28	4615	109.734	853.516	34.001	
29	4616	97.221	970.753	33.801	
30	4617	95.011	1063.196	31.721	
31	4618	94.004	1035.442	28.12	
32	4619	93.309	995.335	16.757	
33	4620	95.957	959.339	13.704	
34	4621	110.532	874.084	12.141	
35	4622	114.004	841.962	15.033	
36	4623	120.878	825.92	12.861	
37	4624	120.864	809.877	10.004	



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20278-1 and neural net sheet NNet02																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet02:				GR	NEUT	GURD																
5	Predictor variables in 20278-1:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				2																		
10	Variables copied from 20278-1:				DEPTH	Facies																	
11				Probabilities for Facies					Predicted Facies		Max. Probability		Gr										
12	DEPTH	Facies		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max												
13	4590			0.004266	0.027247	0.047602	0.920885		4	4	0.920885												
14	4591			0.011715	0.928698	0.010807	0.04878		2	2	0.928698												
15	4592			0.044437	0.841032	0.074414	0.040117		2	2	0.841032												
16	4593			1.1E-06	0.999469	6.64E-05	0.000463		2	2	0.999469												
17	4594			1.28E-09	0.987992	0.008042	0.003966		2	2	0.987992												
18	4595			7.25E-07	0.001086	0.387625	0.611288		4	4	0.611288												
19	4596			3.99E-08	6.44E-07	0.009395	0.990604		4	4	0.990604												
20	4597			5.96E-06	0.082371	0.913734	0.003889		3	3	0.913734												
21	4598			0.002404	0.058844	0.000848	0.938104		4	4	0.938104												
22	4599			7.01E-05	0.992304	0.00747	0.000157		2	2	0.992304												
23	4600			6.49E-06	0.437762	0.558646	0.003585		3	3	0.558646		0	0	1	0							
24	4601			1.23E-08	0.896786	0.095907	0.007308		2	2	0.896786		0	1	0	0							
25	4602			2.54E-08	0.594446	0.219844	0.18571		2	2	0.594446		0	1	0	0							
26	4603			9.52E-07	0.005113	0.007445	0.987441		4	4	0.987441		0	0	0	1							
27	4604			1.03E-08	0.916232	0.077537	0.006231		2	2	0.916232		0	1	0	0							
28	4605			1.95E-06	0.006791	0.011663	0.981544		4	4	0.981544		0	0	0	1							
29	4606			1.54E-06	0.013059	0.011972	0.974968		4	4	0.974968		0	0	0	1							
30	4607			8.53E-07	0.018918	0.006828	0.974253		4	4	0.974253		0	0	0	1							
31	4608			2.54E-07	0.002756	0.000953	0.996291		4	4	0.996291		0	0	0	1							
32	4609			1.53E-07	0.072243	0.004814	0.922943		4	4	0.922943		0	0	0	1							
33	4610			1.29E-08	2.72E-10	0.628097	0.371903		3	3	0.628097		0	0	1	0							
34	4611			0.315178	0.226627	0.046985	0.411211		4	4	0.411211		0	0	0	1							
35	4612			0.000107	0.773974	0.225332	0.000588		2	2	0.773974		0	1	0	0							
36	4613			2.37E-05	0.999941	2.21E-05	1.28E-05		2	2	0.999941		0	1	0	0							
37	4614			9.74E-07	0.99995	1.16E-07	4.87E-05		2	2	0.99995		0	1	0	0							
38	4615			4E-07	0.999866	2.91E-06	0.000131		2	2	0.999866		0	1	0	0							
39	4616			2.83E-06	0.999695	0.000251	5.14E-05		2	2	0.999695		0	1	0	0							
40	4617			6.94E-10	0.996388	0.002246	0.001366		2	2	0.996388		0	1	0	0							
41	4618			1.8E-09	0.995335	0.003848	0.000817		2	2	0.995335		0	1	0	0							
42	4619			3.96E-08	0.93743	0.062519	5.08E-05		2	2	0.93743		0	1	0	0							

Batch 1

20174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15-083-20174
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4529 45.78 313.387 30.859
4530 39.584 324.044 30.077
4531 35.44 365.89 36.746
4532 31.461 351.853 44.029
4533 30.477 306.884 61.585
4534 31.81 326.43 49.307
4535 37.504 271.365 20.067
4536 32.186 291.673 19.407
4537 29.561 327.256 41.286
4538 32.906 304.208 41.245
4539 35.668 290.73 42.339
4540 26.578 281.175 61.664
4541 23.218 280.891 71.571
4542 23.864 251.621 33.322
4543 22.482 294.661 45.519
4544 22.805 323.814 80.226
4545 22.009 277.823 51.152
4546 23.126 225.999 33.655
4547 22.855 272.247 32.523
4548 24.14 287.099 44.5
4549 23.28 253.415 28.547
4550 29.497 266.411 17.034
4551 33.614 281.633 17.268
4552 29.934 296.045 36.917
4553 27.471 335.408 57.59
4554 34.642 353.263 13.615
4555 38.058 314.926 13.415
4556 34.208 323.777 13.349
4557 33.581 313.792 12.242
4558 31.295 322.867 17.943
4559 32.978 324.184 16.723
4560 39.187 354.487 16.005
4561 45.954 366.422 24.933
4562 50.781 420.207 22.858
4563 47.756 417.537 25.466
4564 47.842 381.679 16.044
4565 45.481 384.371 15.146
4566 60.432 407.263 26.931
4567 75.254 406.86 26.398
4568 87.596 351.874 27.947
pred 20233
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
20228
20233
20232
20230
20234
20174
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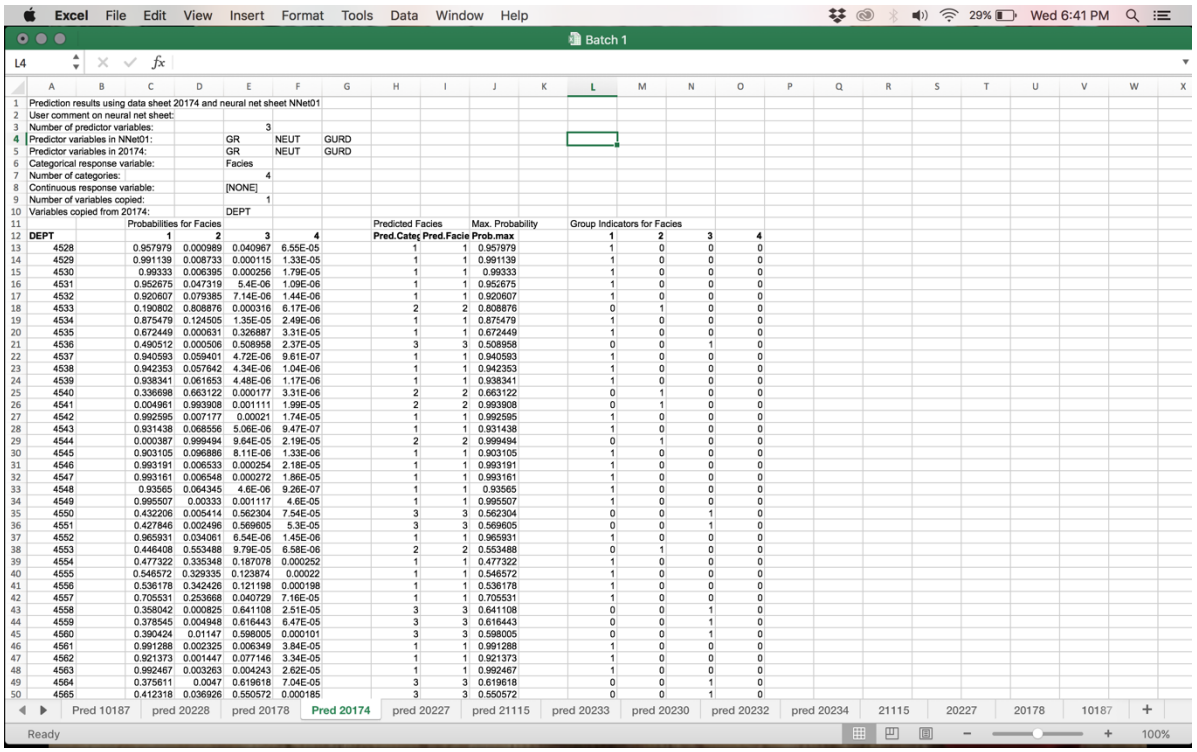
Excel File Edit View Insert Format Tools Data Window Help
29% Wed 6:41 PM
Batch 1
L4
Prediction results using data sheet 20174 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20174: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20174: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4528 0.957979 0.000989 0.040967 6.55E-05 1 1 0.957979 1 0 0 0
4529 0.991139 0.008733 0.000115 1.33E-05 1 1 0.991139 1 0 0 0
4530 0.99333 0.006395 0.000256 1.79E-05 1 1 0.99333 1 0 0 0
4531 0.952675 0.047319 5.4E-06 1.09E-06 1 1 0.952675 1 0 0 0
4532 0.920607 0.079385 7.14E-06 1.44E-06 1 1 0.920607 1 0 0 0
4533 0.190802 0.808876 0.000316 6.17E-06 2 2 0.808876 0 1 0 0
4534 0.875479 0.124505 1.35E-05 2.49E-06 1 1 0.875479 1 0 0 0
4535 0.672449 0.000631 0.326887 3.31E-05 1 1 0.672449 1 0 0 0
4536 0.490512 0.000506 0.508958 2.37E-05 3 3 0.508958 0 0 1 0
4537 0.940593 0.059401 4.72E-06 9.61E-07 1 1 0.940593 1 0 0 0
4538 0.942353 0.057642 4.34E-06 1.04E-06 1 1 0.942353 1 0 0 0
4539 0.938341 0.061653 4.48E-06 1.17E-06 1 1 0.938341 1 0 0 0
4540 0.336698 0.663122 0.000177 3.31E-06 2 2 0.663122 0 1 0 0
4541 0.004961 0.993908 0.001111 1.99E-05 2 2 0.993908 0 1 0 0
4542 0.992595 0.007177 0.00021 1.74E-05 1 1 0.992595 1 0 0 0
4543 0.931438 0.068556 5.06E-06 9.47E-07 1 1 0.931438 1 0 0 0
4544 0.000387 0.999494 9.64E-05 2.19E-05 2 2 0.999494 0 1 0 0
4545 0.903105 0.096886 8.11E-06 1.33E-06 1 1 0.903105 1 0 0 0
4546 0.993191 0.006533 0.000254 2.18E-05 1 1 0.993191 1 0 0 0
4547 0.993161 0.006548 0.000272 1.86E-05 1 1 0.993161 1 0 0 0
4548 0.93565 0.064345 4.6E-06 9.26E-07 1 1 0.93565 1 0 0 0
4549 0.995507 0.00333 0.001117 4.6E-05 1 1 0.995507 1 0 0 0
4550 0.432206 0.005414 0.562304 7.54E-05 3 3 0.562304 0 0 1 0
4551 0.427846 0.002496 0.569605 5.3E-05 3 3 0.569605 0 0 1 0
4552 0.965931 0.034061 6.54E-06 1.45E-06 1 1 0.965931 1 0 0 0
4553 0.446408 0.553488 9.79E-05 6.58E-06 2 2 0.553488 0 1 0 0
4554 0.477322 0.335348 0.187078 0.000252 1 1 0.477322 1 0 0 0
4555 0.546572 0.329335 0.123874 0.00022 1 1 0.546572 1 0 0 0
4556 0.536178 0.342426 0.121198 0.000198 1 1 0.536178 1 0 0 0
4557 0.705531 0.253668 0.040729 7.16E-05 1 1 0.705531 1 0 0 0
4558 0.358042 0.000825 0.641108 2.51E-05 3 3 0.641108 0 0 1 0
4559 0.378545 0.004948 0.616443 6.47E-05 3 3 0.616443 0 0 1 0
4560 0.390424 0.01147 0.598005 0.000101 3 3 0.598005 0 0 1 0
4561 0.991288 0.002325 0.006349 3.84E-05 1 1 0.991288 1 0 0 0
4562 0.921373 0.001447 0.077146 3.34E-05 1 1 0.921373 1 0 0 0
4563 0.992467 0.003263 0.004243 2.62E-05 1 1 0.992467 1 0 0 0
4564 0.375611 0.0047 0.619618 7.04E-05 3 3 0.619618 0 0 1 0
4565 0.412318 0.036926 0.550572 0.000185 3 3 0.550572 0 0 1 0
Pred 10187
pred 20228
pred 20178
Pred 20174
pred 20227
pred 21115
pred 20233
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
Ready
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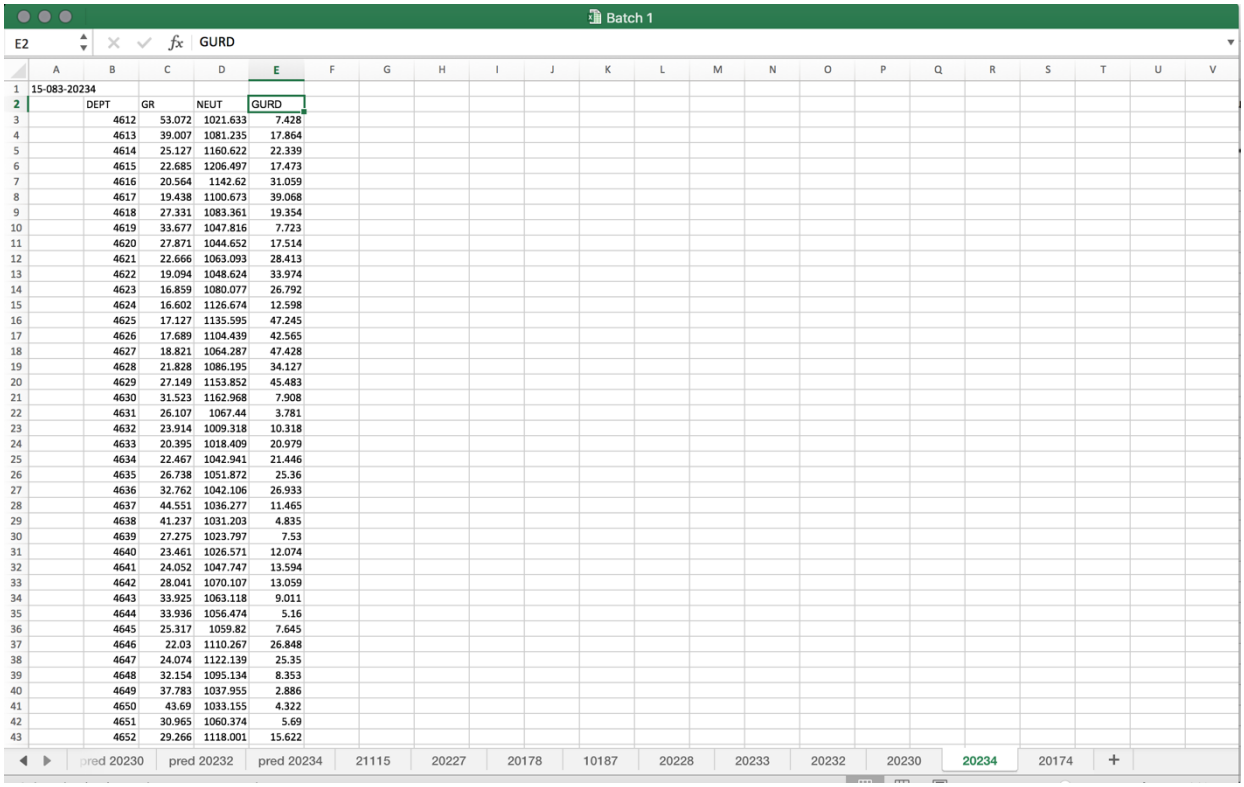
20234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15-083-20234
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4612 53.072 1021.633 7.428
4613 39.007 1081.235 17.864
4614 25.127 1160.622 22.339
4615 22.685 1206.497 17.473
4616 20.564 1142.62 31.059
4617 19.438 1100.673 39.068
4618 27.331 1083.361 19.354
4619 33.677 1047.816 7.723
4620 27.871 1044.652 17.514
4621 22.666 1063.093 28.413
4622 19.094 1048.624 33.974
4623 16.859 1080.077 26.792
4624 16.602 1126.674 12.598
4625 17.127 1135.595 47.245
4626 17.689 1104.439 42.565
4627 18.821 1064.287 47.428
4628 21.828 1086.195 34.127
4629 27.149 1153.852 45.483
4630 31.523 1162.968 7.908
4631 26.107 1067.44 3.781
4632 23.914 1009.318 10.318
4633 20.395 1018.409 20.979
4634 22.467 1042.941 21.446
4635 26.738 1051.872 25.36
4636 32.762 1042.106 26.933
4637 44.551 1036.277 11.465
4638 41.237 1031.203 4.835
4639 27.275 1023.797 7.53
4640 23.461 1026.571 12.074
4641 24.052 1047.747 13.594
4642 28.041 1070.107 13.059
4643 33.925 1063.118 9.011
4644 33.936 1056.474 5.16
4645 25.317 1059.82 7.645
4646 22.03 1110.267 26.848
4647 24.074 1122.139 25.35
4648 32.154 1095.134 8.353
4649 37.783 1037.955 2.886
4650 43.69 1033.155 4.322
4651 30.965 1060.374 5.69
4652 29.266 1118.001 15.622
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
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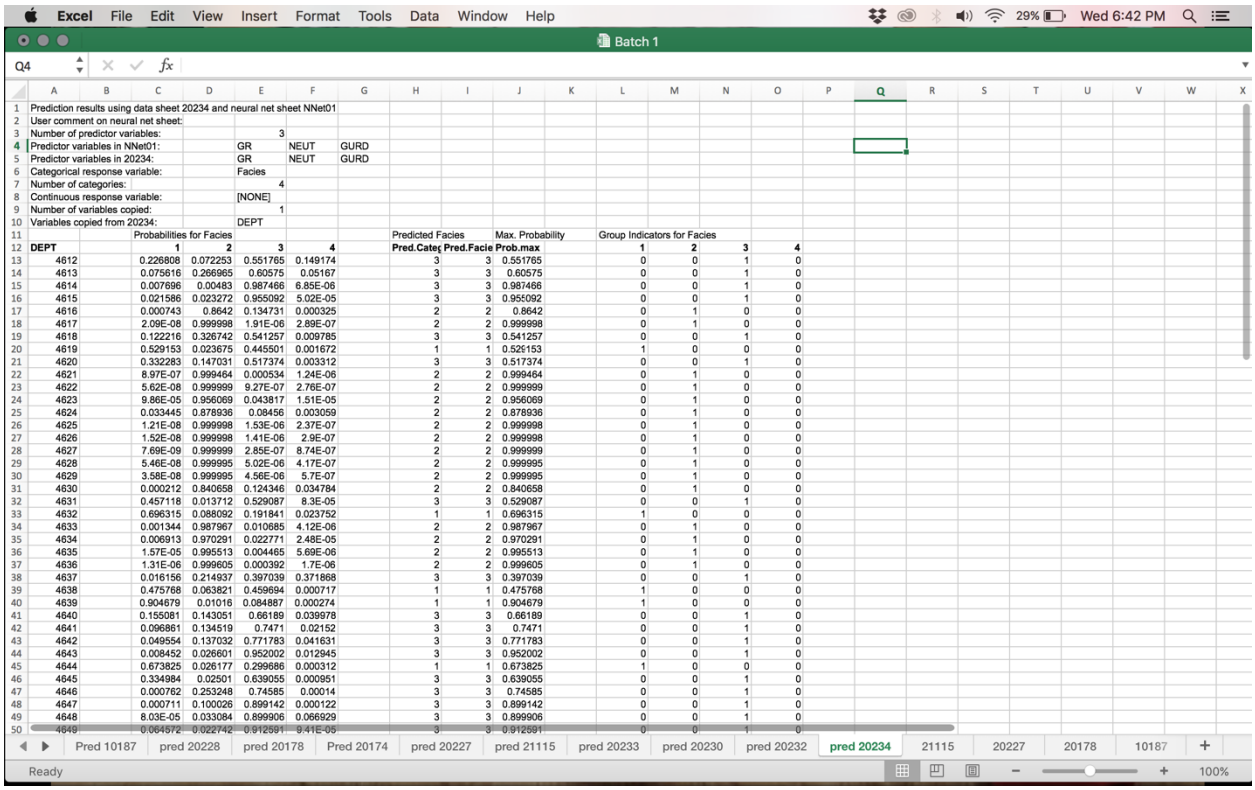
20232
20230
20234
20174


Excel File Edit View Insert Format Tools Data Window Help
29% Wed 6:42 PM
Batch 1
Q4
Prediction results using data sheet 20234 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20234: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20234: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4612 0.226808 0.072253 0.551765 0.149174 3 3 0.551765 0 0 1 0
4613 0.075616 0.266965 0.60575 0.05167 3 3 0.60575 0 0 1 0
4614 0.007696 0.00483 0.987466 6.85E-06 3 3 0.987466 0 0 1 0
4615 0.021586 0.023272 0.955092 5.02E-05 3 3 0.955092 0 0 1 0
4616 0.000743 0.8642 0.134731 0.000325 2 2 0.8642 0 1 0 0
4617 2.09E-08 0.999998 1.91E-06 2.89E-07 2 2 0.999998 0 1 0 0
4618 0.122216 0.326742 0.541257 0.009785 3 3 0.541257 0 0 1 0
4619 0.529153 0.023675 0.445501 0.001672 1 1 0.529153 1 0 0 0
4620 0.332283 0.147031 0.517374 0.003312 3 3 0.517374 0 0 1 0
4621 8.97E-07 0.999464 0.000534 1.24E-06 2 2 0.999464 0 1 0 0
4622 5.62E-08 0.999999 9.27E-07 2.76E-07 2 2 0.999999 0 1 0 0
4623 9.86E-05 0.956069 0.043817 1.51E-05 2 2 0.956069 0 1 0 0
4624 0.033445 0.878936 0.08456 0.003059 2 2 0.878936 0 1 0 0
4625 1.21E-08 0.999998 1.53E-06 2.37E-07 2 2 0.999998 0 1 0 0
4626 1.52E-08 0.999998 1.41E-06 2.9E-07 2 2 0.999998 0 1 0 0
4627 7.69E-09 0.999999 2.85E-07 8.74E-07 2 2 0.999999 0 1 0 0
4628 5.46E-08 0.999995 5.02E-06 4.17E-07 2 2 0.999995 0 1 0 0
4629 3.58E-08 0.999995 4.56E-06 5.7E-07 2 2 0.999995 0 1 0 0
4630 0.000212 0.840658 0.124346 0.034784 2 2 0.840658 0 1 0 0
4631 0.457118 0.013712 0.529087 8.3E-05 3 3 0.529087 0 0 1 0
4632 0.696315 0.088092 0.191841 0.023752 1 1 0.696315 1 0 0 0
4633 0.001344 0.987967 0.010685 4.12E-06 2 2 0.987967 0 1 0 0
4634 0.006913 0.970291 0.022771 2.48E-05 2 2 0.970291 0 1 0 0
4635 1.57E-05 0.995513 0.004465 5.69E-06 2 2 0.995513 0 1 0 0
4636 1.31E-06 0.999605 0.000392 1.7E-06 2 2 0.999605 0 1 0 0
4637 0.016156 0.214937 0.397039 0.371868 3 3 0.397039 0 0 1 0
4638 0.475768 0.063821 0.459694 0.000717 1 1 0.475768 1 0 0 0
4639 0.904679 0.01016 0.084887 0.000274 1 1 0.904679 1 0 0 0
4640 0.155081 0.143051 0.66189 0.039978 3 3 0.66189 0 0 1 0
4641 0.096861 0.134519 0.7471 0.02152 3 3 0.7471 0 0 1 0
4642 0.049554 0.137032 0.771783 0.041631 3 3 0.771783 0 0 1 0
4643 0.008452 0.026601 0.952002 0.012945 3 3 0.952002 0 0 1 0
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4647 0.000711 0.100026 0.899142 0.000122 3 3 0.899142 0 0 1 0
4648 8.03E-05 0.033084 0.899906 0.066929 3 3 0.899906 0 0 1 0
4649 0.004572 0.022742 0.912591 9.41E-05 3 3 0.912591 0 0 1 0
Pred 10187
pred 20228
pred 20178
Pred 20174
pred 20227
pred 21115
pred 20233
pred 20230
pred 20232
pred 20234
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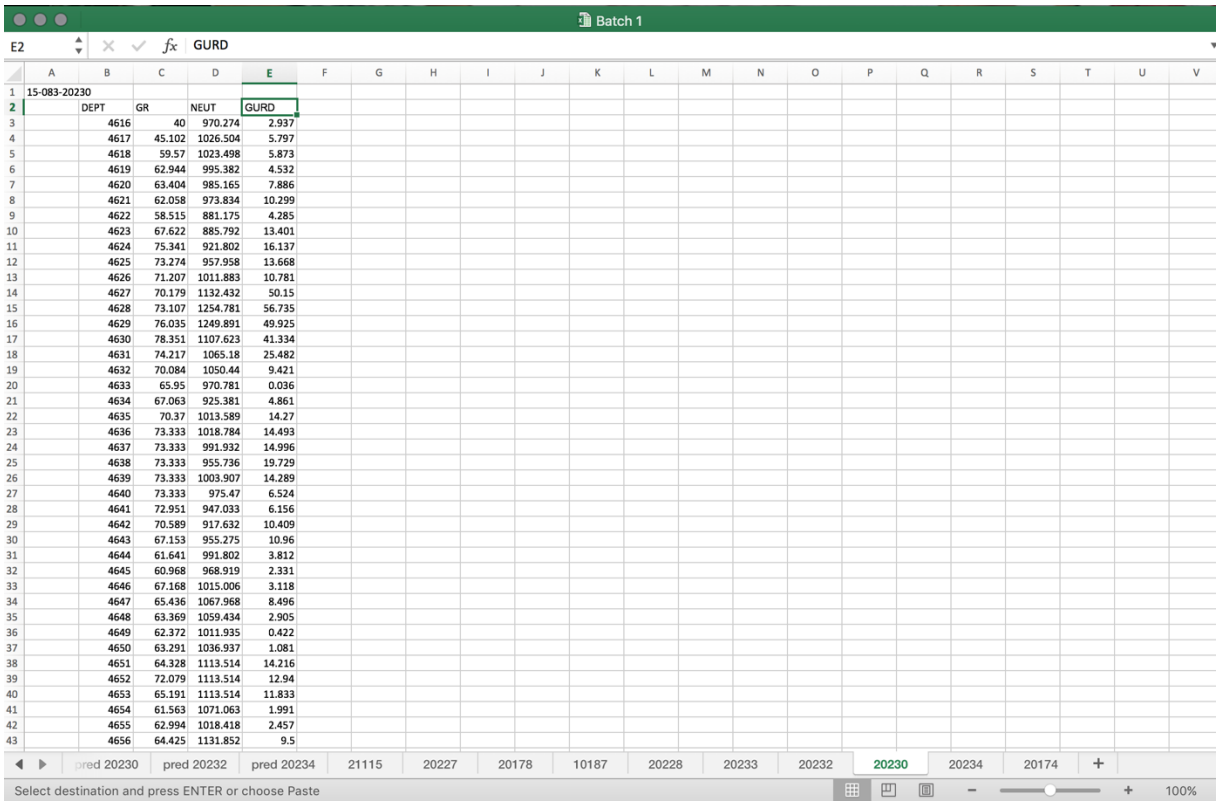
20227
20178
10187
Ready
100%

20230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15-083-20230
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4617 45.102 1026.504 5.797
4618 59.57 1023.498 5.873
4619 62.944 995.382 4.532
4620 63.404 985.165 7.886
4621 62.058 973.834 10.299
4622 58.515 881.175 4.285
4623 67.622 885.792 13.401
4624 75.341 921.802 16.137
4625 73.274 957.958 13.668
4626 71.207 1011.883 10.781
4627 70.179 1132.432 50.15
4628 73.107 1254.781 56.735
4629 76.035 1249.891 49.925
4630 78.351 1107.623 41.334
4631 74.217 1065.18 25.482
4632 70.084 1050.44 9.421
4633 65.95 970.781 0.036
4634 67.063 925.381 4.861
4635 70.37 1013.589 14.27
4636 73.333 1018.784 14.493
4637 73.333 991.932 14.996
4638 73.333 955.736 19.729
4639 73.333 1003.907 14.289
4640 73.333 975.47 6.524
4641 72.951 947.033 6.156
4642 70.589 917.632 10.409
4643 67.153 955.275 10.96
4644 61.641 991.802 3.812
4645 60.968 968.919 2.331
4646 67.168 1015.006 3.118
4647 65.436 1067.968 8.496
4648 63.369 1059.434 2.905
4649 62.372 1011.935 0.422
4650 63.291 1036.937 1.081
4651 64.328 1113.514 14.216
4652 72.079 1113.514 12.94
4653 65.191 1113.514 11.833
4654 61.563 1071.063 1.991
4655 62.994 1018.418 2.457
4656 64.425 1131.852 9.5
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
20228
20233
20232
20230
20234
20174
Select destination and press ENTER or choose Paste
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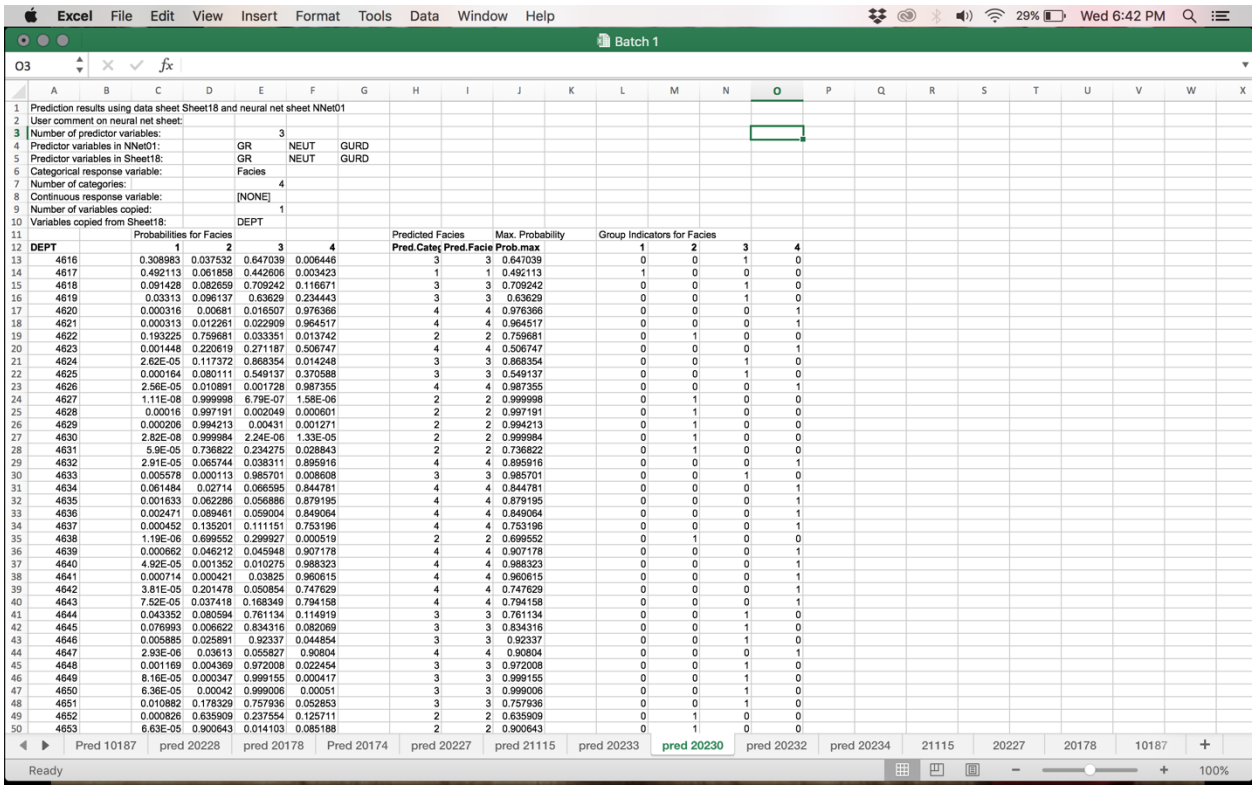
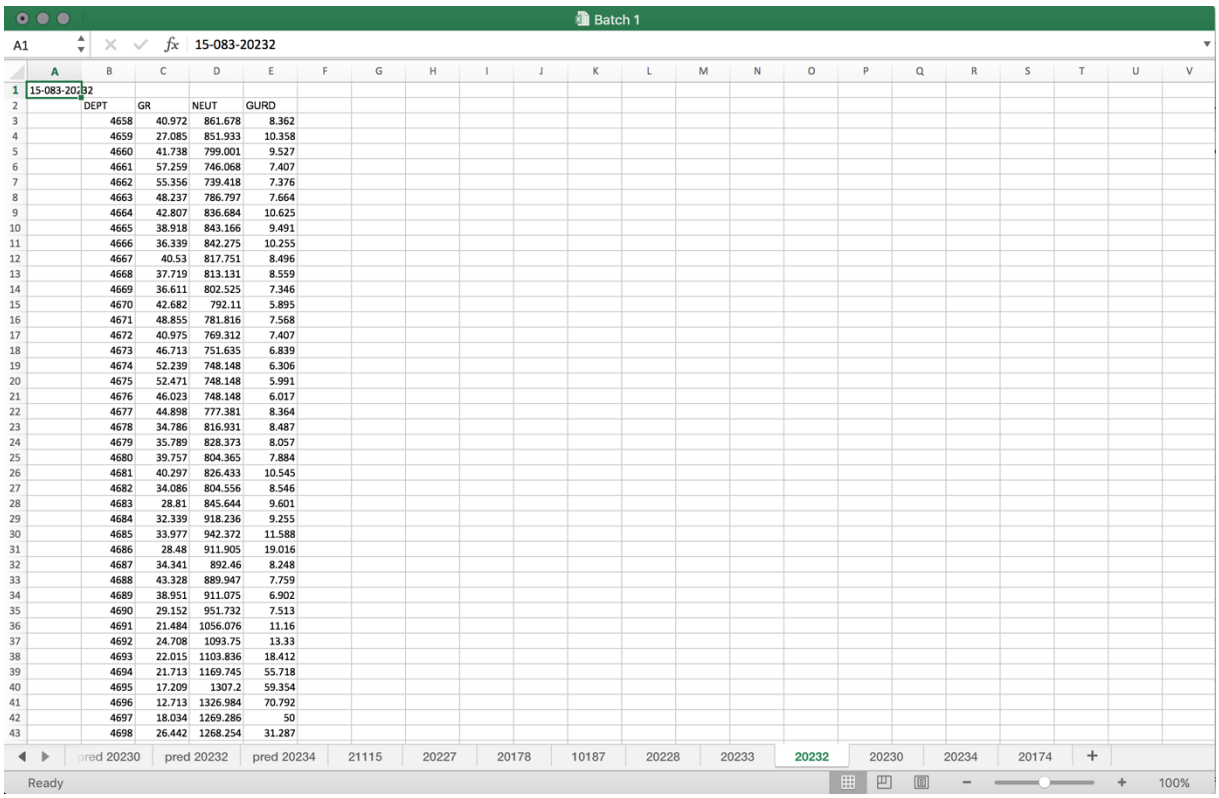

Batch 1
Prediction results using data sheet Sheet18 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in Sheet18: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from Sheet18: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4616 0.308983 0.037532 0.647039 0.006446 3 3 0.647039 0 0 1 0
4617 0.492113 0.061858 0.442606 0.003423 1 1 0.492113 1 0 0 0
4618 0.091428 0.082659 0.709242 0.116671 3 3 0.709242 0 0 1 0
4619 0.03313 0.096137 0.63629 0.234443 3 3 0.63629 0 0 1 0
4620 0.000316 0.00681 0.016507 0.976366 4 4 0.976366 0 0 0 1
4621 0.000313 0.012261 0.022909 0.964517 4 4 0.964517 0 0 0 1
4622 0.193225 0.759681 0.033351 0.013742 2 2 0.759681 0 1 0 0
4623 0.001448 0.220619 0.271187 0.506747 4 4 0.506747 0 0 0 1
4624 2.62E-05 0.117372 0.868354 0.014248 3 3 0.868354 0 0 1 0
4625 0.000164 0.080111 0.549137 0.370588 3 3 0.549137 0 0 1 0
4626 2.56E-05 0.010891 0.001728 0.987355 4 4 0.987355 0 0 0 1
4627 1.11E-08 0.999998 6.79E-07 1.58E-06 2 2 0.999998 0 1 0 0
4628 0.00016 0.997191 0.002049 0.000601 2 2 0.997191 0 1 0 0
4629 0.000206 0.994213 0.00431 0.001271 2 2 0.994213 0 1 0 0
4630 2.82E-08 0.999984 2.24E-06 1.33E-05 2 2 0.999984 0 1 0 0
4631 5.9E-05 0.736822 0.234275 0.028843 2 2 0.736822 0 1 0 0
4632 2.91E-05 0.065744 0.038311 0.895916 4 4 0.895916 0 0 0 1
4633 0.005578 0.000113 0.985701 0.008608 3 3 0.985701 0 0 1 0
4634 0.061484 0.02714 0.066595 0.844781 4 4 0.844781 0 0 0 1
4635 0.001633 0.062286 0.056886 0.879195 4 4 0.879195 0 0 0 1
4636 0.002471 0.089461 0.059004 0.849064 4 4 0.849064 0 0 0 1
4637 0.000452 0.135201 0.111151 0.753196 4 4 0.753196 0 0 0 1
4638 1.19E-06 0.699552 0.299927 0.000519 2 2 0.699552 0 1 0 0
4639 0.000662 0.046212 0.045948 0.907178 4 4 0.907178 0 0 0 1
4640 4.92E-05 0.001352 0.010275 0.988323 4 4 0.988323 0 0 0 1
4641 0.000714 0.000421 0.03825 0.960615 4 4 0.960615 0 0 0 1
4642 3.81E-05 0.201478 0.050854 0.747629 4 4 0.747629 0 0 0 1
4643 7.52E-05 0.037418 0.168349 0.794158 4 4 0.794158 0 0 0 1
4644 0.043352 0.080594 0.761134 0.114919 3 3 0.761134 0 0 1 0
4645 0.076993 0.006622 0.834316 0.082069 3 3 0.834316 0 0 1 0
4646 0.005885 0.025891 0.92337 0.044854 3 3 0.92337 0 0 1 0
4647 2.93E-06 0.03613 0.055827 0.90804 4 4 0.90804 0 0 0 1
4648 0.001169 0.004369 0.972008 0.022454 3 3 0.972008 0 0 1 0
4649 8.16E-05 0.000347 0.999155 0.000417 3 3 0.999155 0 0 1 0
4650 6.36E-05 0.00042 0.999006 0.00051 3 3 0.999006 0 0 1 0
4651 0.010882 0.178329 0.757936 0.052853 3 3 0.757936 0 0 1 0
4652 0.000826 0.635909 0.237554 0.125711 2 2 0.635909 0 1 0 0
4653 6.63E-05 0.900643 0.014103 0.085188 2 2 0.900643 0 1 0 0
Pred 10187
pred 20228
pred 20178
Pred 20174
pred 20227
pred 21115
pred 20233
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
Ready
100%

20232


Batch 1
A1
15-083-20232
DEPT GR NEUT GURD
4658 40.972 861.678 8.362
4659 27.085 851.933 10.358
4660 41.738 799.001 9.527
4661 57.259 746.068 7.407
4662 55.356 739.418 7.376
4663 48.237 786.797 7.664
4664 42.807 836.684 10.625
4665 38.918 843.166 9.491
4666 36.339 842.275 10.255
4667 40.53 817.751 8.496
4668 37.719 813.131 8.559
4669 36.611 802.525 7.346
4670 42.682 792.11 5.895
4671 48.855 781.816 7.568
4672 40.975 769.312 7.407
4673 46.713 751.635 6.839
4674 52.239 748.148 6.306
4675 52.471 748.148 5.991
4676 46.023 748.148 6.017
4677 44.898 777.381 8.364
4678 34.786 816.931 8.487
4679 35.789 828.373 8.057
4680 39.757 804.365 7.884
4681 40.297 826.433 10.545
4682 34.086 804.556 8.546
4683 28.81 845.644 9.601
4684 32.339 918.236 9.255
4685 33.977 942.372 11.588
4686 28.48 911.905 19.016
4687 34.341 892.46 8.248
4688 43.328 889.947 7.759
4689 38.951 911.075 6.902
4690 29.152 951.732 7.513
4691 21.484 1056.076 11.16
4692 24.708 1093.75 13.33
4693 22.015 1103.836 18.412
4694 21.713 1169.745 55.718
4695 17.209 1307.2 59.354
4696 12.713 1326.984 70.792
4697 18.034 1269.286 50
4698 26.442 1268.254 31.287
pred 20230
pred 20232
pred 20234
21115
20227
20178
10187
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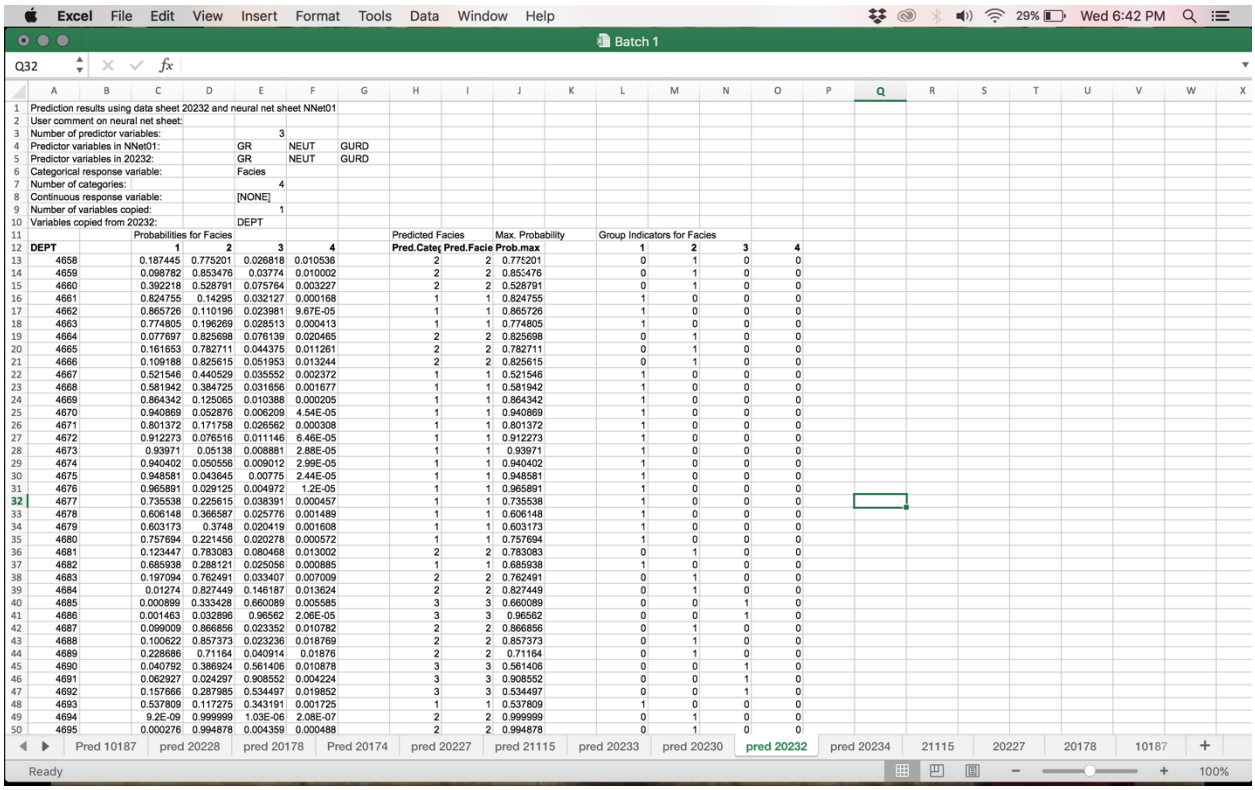
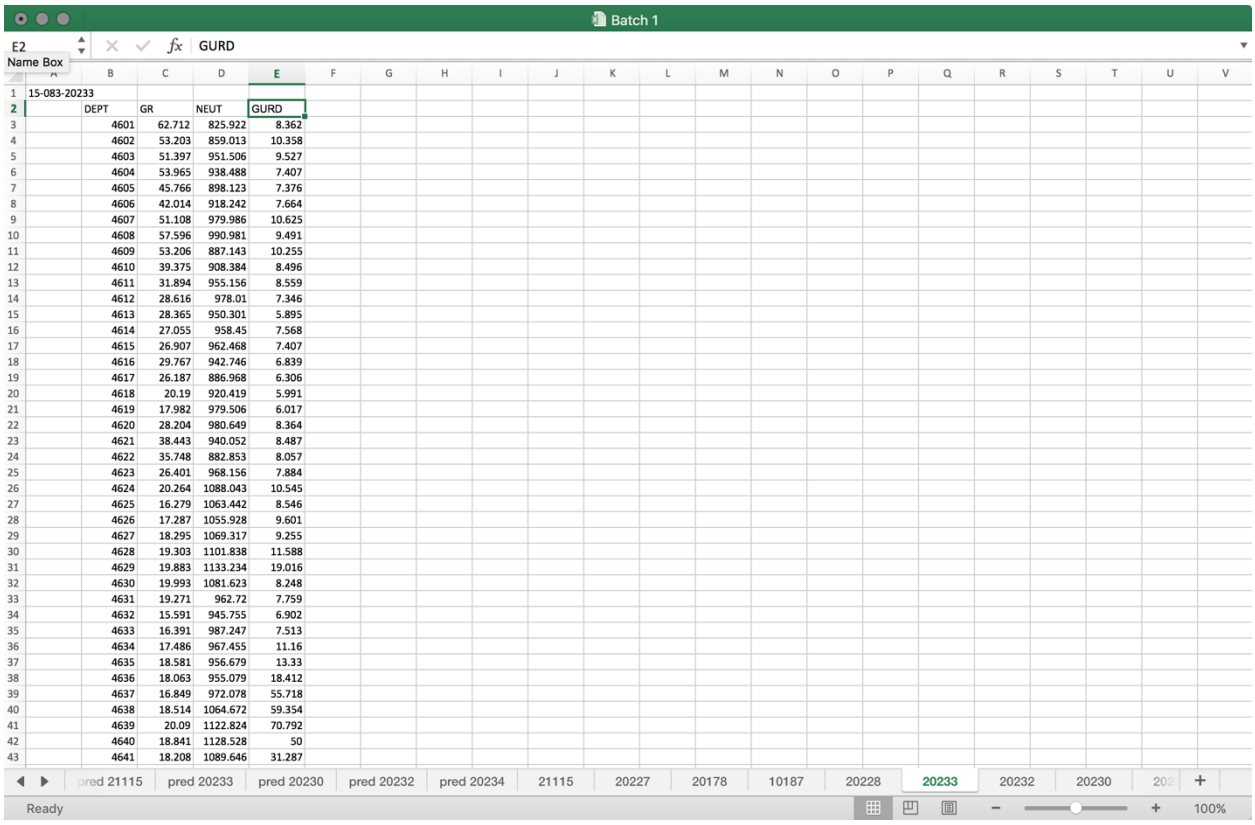
20233
20232
20230
20234
20174
Ready
100%



1	Prediction results using data sheet 20232 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20232:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20232:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	**DEPT**		**1**	**2**	**3**	**4**		**Pred.Categ**	**Pred.Facie**	**Prob.max**		**1**	**2**	**3**	**4**								
13	4658		0.187445	0.775201	0.026818	0.010536		2	2	0.775201		0	1	0	0								
14	4659		0.098782	0.853476	0.03774	0.010002		2	2	0.853476		0	1	0	0								
15	4660		0.392218	0.528791	0.075764	0.003227		2	2	0.528791		0	1	0	0								
16	4661		0.824755	0.14295	0.032127	0.000168		1	1	0.824755		1	0	0	0								
17	4662		0.865726	0.110196	0.023981	9.67E-05		1	1	0.865726		1	0	0	0								
18	4663		0.774805	0.196269	0.028513	0.000413		1	1	0.774805		1	0	0	0								
19	4664		0.077697	0.825698	0.076139	0.020465		2	2	0.825698		0	1	0	0								
20	4665		0.161653	0.782711	0.044375	0.011261		2	2	0.782711		0	1	0	0								
21	4666		0.109188	0.825615	0.051953	0.013244		2	2	0.825615		0	1	0	0								
22	4667		0.521546	0.440529	0.035552	0.002372		1	1	0.521546		1	0	0	0								
23	4668		0.581942	0.384725	0.031656	0.001677		1	1	0.581942		1	0	0	0								
24	4669		0.864342	0.125065	0.010388	0.000205		1	1	0.864342		1	0	0	0								
25	4670		0.940869	0.052876	0.006209	4.54E-05		1	1	0.940869		1	0	0	0								
26	4671		0.801372	0.171758	0.026562	0.000308		1	1	0.801372		1	0	0	0								
27	4672		0.912273	0.076516	0.011146	6.46E-05		1	1	0.912273		1	0	0	0								
28	4673		0.93971	0.05138	0.008881	2.88E-05		1	1	0.93971		1	0	0	0								
29	4674		0.940402	0.050556	0.009012	2.99E-05		1	1	0.940402		1	0	0	0								
30	4675		0.948581	0.043645	0.00775	2.44E-05		1	1	0.948581		1	0	0	0								
31	4676		0.965891	0.029125	0.004972	1.2E-05		1	1	0.965891		1	0	0	0								
32	4677		0.735538	0.225615	0.038391	0.000457		1	1	0.735538		1	0	0	0								
33	4678		0.606148	0.366587	0.025776	0.001489		1	1	0.606148		1	0	0	0								
34	4679		0.603173	0.3748	0.020419	0.001608		1	1	0.603173		1	0	0	0								
35	4680		0.757694	0.221456	0.020278	0.000572		1	1	0.757694		1	0	0	0								
36	4681		0.123447	0.783083	0.080468	0.013002		2	2	0.783083		0	1	0	0								
37	4682		0.685938	0.288121	0.025056	0.000885		1	1	0.685938		1	0	0	0								
38	4683		0.197094	0.762491	0.033407	0.007009		2	2	0.762491		0	1	0	0								
39	4684		0.01274	0.827449	0.146187	0.013624		2	2	0.827449		0	1	0	0								
40	4685		0.000899	0.333428	0.660089	0.005585		3	3	0.660089		0	0	1	0								
41	4686		0.001463	0.032896	0.96562	2.06E-05		3	3	0.96562		0	0	1	0								
42	4687		0.099009	0.866856	0.023352	0.010782		2	2	0.866856		0	1	0	0								
43	4688		0.100622	0.857373	0.023236	0.018769		2	2	0.857373		0	1	0	0								
44	4689		0.228686	0.71164	0.040914	0.01876		2	2	0.71164		0	1	0	0								
45	4690		0.040792	0.386924	0.561406	0.010878		3	3	0.561406		0	0	1	0								
46	4691		0.062927	0.024297	0.908552	0.004224		3	3	0.908552		0	0	1	0								
47	4692		0.157666	0.287985	0.534497	0.019852		3	3	0.534497		0	0	1	0								
48	4693		0.537809	0.117275	0.343191	0.001725		1	1	0.537809		1	0	0	0								
49	4694		9.2E-09	0.999999	1.03E-06	2.08E-07		2	2	0.999999		0	1	0	0								
50	4695		0.000276	0.994878	0.004359	0.000488		2	2	0.994878		0	1	0	0								

20233


Batch 1
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GURD
Name Box
15-083-20233
DEPT GR NEUT GURD
4601 62.712 825.922 8.362
4602 53.203 859.013 10.358
4603 51.397 951.506 9.527
4604 53.965 938.488 7.407
4605 45.766 898.123 7.376
4606 42.014 918.242 7.664
4607 51.108 979.986 10.625
4608 57.596 990.981 9.491
4609 53.206 887.143 10.255
4610 39.375 908.384 8.496
4611 31.894 955.156 8.559
4612 28.616 978.01 7.346
4613 28.365 950.301 5.895
4614 27.055 958.45 7.568
4615 26.907 962.468 7.407
4616 29.767 942.746 6.839
4617 26.187 886.968 6.306
4618 20.19 920.419 5.991
4619 17.982 979.506 6.017
4620 28.204 980.649 8.364
4621 38.443 940.052 8.487
4622 35.748 882.853 8.057
4623 26.401 968.156 7.884
4624 20.264 1088.043 10.545
4625 16.279 1063.442 8.546
4626 17.287 1055.928 9.601
4627 18.295 1069.317 9.255
4628 19.303 1101.838 11.588
4629 19.883 1133.234 19.016
4630 19.993 1081.623 8.248
4631 19.271 962.72 7.759
4632 15.591 945.755 6.902
4633 16.391 987.247 7.513
4634 17.486 967.455 11.16
4635 18.581 956.679 13.33
4636 18.063 955.079 18.412
4637 16.849 972.078 55.718
4638 18.514 1064.672 59.354
4639 20.09 1122.824 70.792
4640 18.841 1128.528 50
4641 18.208 1089.646 31.287
pred 21115
pred 20233
pred 20230
pred 20232
pred 20234
21115
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10187
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20232
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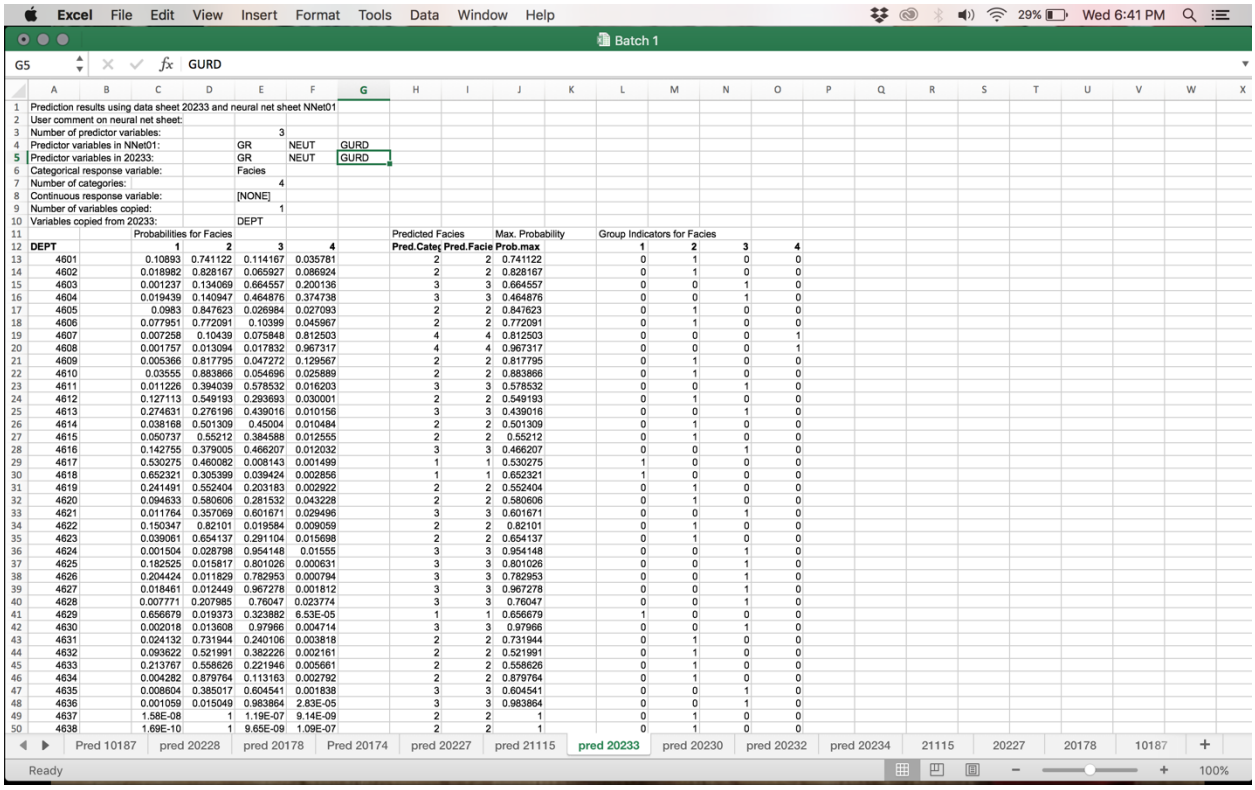
Excel File Edit View Insert Format Tools Data Window Help
29% Wed 6:41 PM
Batch 1
G5
GURD
Prediction results using data sheet 20233 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20233: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20233: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4601 0.10893 0.741122 0.114167 0.035781 2 2 0.741122 0 1 0 0
4602 0.018982 0.828167 0.065927 0.086924 2 2 0.828167 0 1 0 0
4603 0.001237 0.134069 0.664557 0.200136 3 3 0.664557 0 0 1 0
4604 0.019439 0.140947 0.464876 0.374738 3 3 0.464876 0 0 1 0
4605 0.0983 0.847623 0.026984 0.027093 2 2 0.847623 0 1 0 0
4606 0.077951 0.772091 0.10399 0.045967 2 2 0.772091 0 1 0 0
4607 0.007258 0.10439 0.075848 0.812503 4 4 0.812503 0 0 0 1
4608 0.001757 0.013094 0.017832 0.967317 4 4 0.967317 0 0 0 1
4609 0.005366 0.817795 0.047272 0.129567 2 2 0.817795 0 1 0 0
4610 0.03555 0.883866 0.054696 0.025889 2 2 0.883866 0 1 0 0
4611 0.011226 0.394039 0.578532 0.016203 3 3 0.578532 0 0 1 0
4612 0.127113 0.549193 0.293693 0.030001 2 2 0.549193 0 1 0 0
4613 0.274631 0.276196 0.439016 0.010156 3 3 0.439016 0 0 1 0
4614 0.038168 0.501309 0.45004 0.010484 2 2 0.501309 0 1 0 0
4615 0.050737 0.55212 0.384588 0.012555 2 2 0.55212 0 1 0 0
4616 0.142755 0.379005 0.466207 0.012032 3 3 0.466207 0 0 1 0
4617 0.530275 0.460082 0.008143 0.001499 1 1 0.530275 1 0 0 0
4618 0.652321 0.305399 0.039424 0.002856 1 1 0.652321 1 0 0 0
4619 0.241491 0.552404 0.203183 0.002922 2 2 0.552404 0 1 0 0
4620 0.094633 0.580606 0.281532 0.043228 2 2 0.580606 0 1 0 0
4621 0.011764 0.357069 0.601671 0.029496 3 3 0.601671 0 0 1 0
4622 0.150347 0.82101 0.019584 0.009059 2 2 0.82101 0 1 0 0
4623 0.039061 0.654137 0.291104 0.015698 2 2 0.654137 0 1 0 0
4624 0.001504 0.028798 0.954148 0.01555 3 3 0.954148 0 0 1 0
4625 0.182525 0.015817 0.801026 0.000631 3 3 0.801026 0 0 1 0
4626 0.204424 0.011829 0.782953 0.000794 3 3 0.782953 0 0 1 0
4627 0.018461 0.012449 0.967278 0.001812 3 3 0.967278 0 0 1 0
4628 0.007771 0.207985 0.76047 0.023774 3 3 0.76047 0 0 1 0
4629 0.656679 0.019373 0.323882 6.53E-05 1 1 0.656679 1 0 0 0
4630 0.002018 0.013608 0.97966 0.004714 3 3 0.97966 0 0 1 0
4631 0.024132 0.731944 0.240106 0.003818 2 2 0.731944 0 1 0 0
4632 0.093622 0.521991 0.382226 0.002161 2 2 0.521991 0 1 0 0
4633 0.213767 0.558626 0.221946 0.005661 2 2 0.558626 0 1 0 0
4634 0.004282 0.879764 0.113163 0.002792 2 2 0.879764 0 1 0 0
4635 0.008604 0.385017 0.604541 0.001838 3 3 0.604541 0 0 1 0
4636 0.001059 0.015049 0.983864 2.83E-05 3 3 0.983864 0 0 1 0
4637 1.58E-08 1 1.19E-07 9.14E-09 2 2 1 0 1 0 0
4638 1.69E-10 1 9.65E-09 1.09E-07 2 2 1 0 1 0 0
Pred 10187
pred 20228
pred 20178
Pred 20174
pred 20227
pred 21115
pred 20233
pred 20230
pred 20232
pred 20234
21115
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20178
10187
Ready
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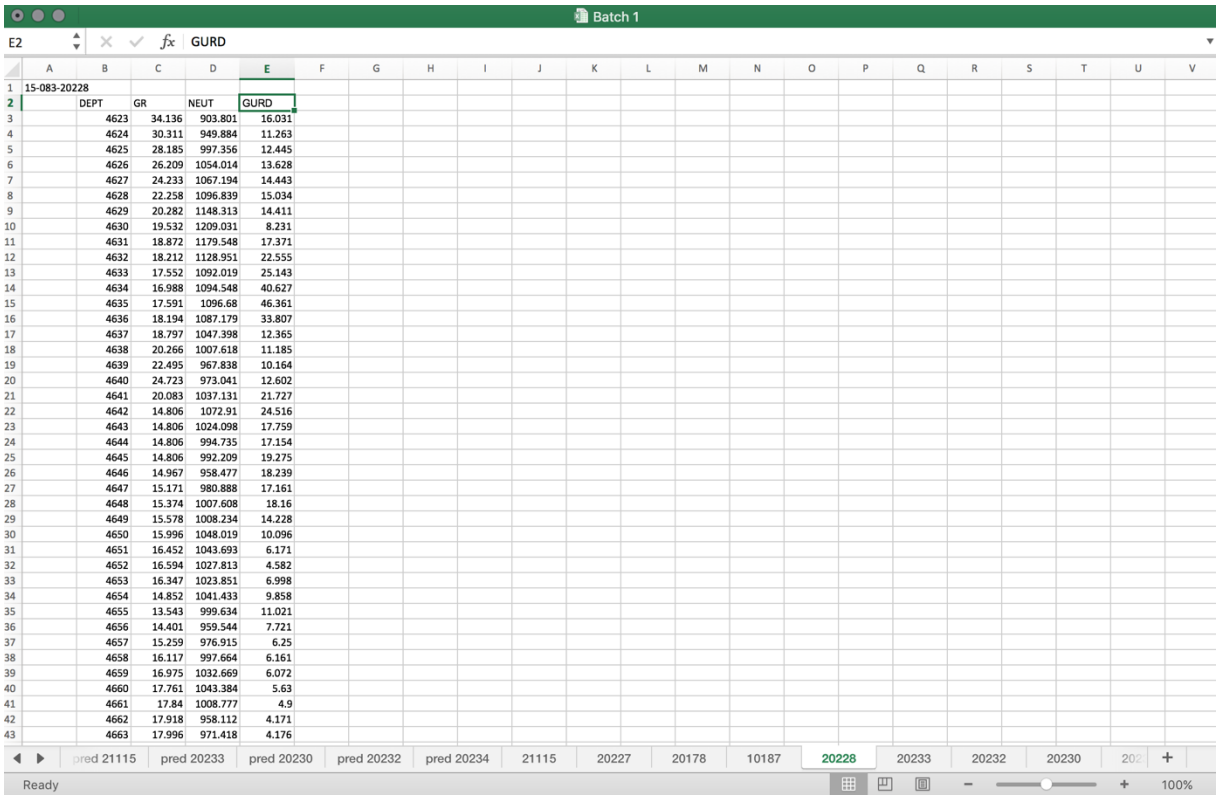
20228


Batch 1
E2
GURD
15-083-20228
DEPT GR NEUT GURD
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4624 30.311 949.884 11.263
4625 28.185 997.356 12.445
4626 26.209 1054.014 13.628
4627 24.233 1067.194 14.443
4628 22.258 1096.839 15.034
4629 20.282 1148.313 14.411
4630 19.532 1209.031 8.231
4631 18.872 1179.548 17.371
4632 18.212 1128.951 22.555
4633 17.552 1092.019 25.143
4634 16.988 1094.548 40.627
4635 17.591 1096.68 46.361
4636 18.194 1087.179 33.807
4637 18.797 1047.398 12.365
4638 20.266 1007.618 11.185
4639 22.495 967.838 10.164
4640 24.723 973.041 12.602
4641 20.083 1037.131 21.727
4642 14.806 1072.91 24.516
4643 14.806 1024.098 17.759
4644 14.806 994.735 17.154
4645 14.806 992.209 19.275
4646 14.967 958.477 18.239
4647 15.171 980.888 17.161
4648 15.374 1007.608 18.16
4649 15.578 1008.234 14.228
4650 15.996 1048.019 10.096
4651 16.452 1043.693 6.171
4652 16.594 1027.813 4.582
4653 16.347 1023.851 6.998
4654 14.852 1041.433 9.858
4655 13.543 999.634 11.021
4656 14.401 959.544 7.721
4657 15.259 976.915 6.25
4658 16.117 997.664 6.161
4659 16.975 1032.669 6.072
4660 17.761 1043.384 5.63
4661 17.84 1008.777 4.9
4662 17.918 958.112 4.171
4663 17.996 971.418 4.176
pred 21115 pred 20233 pred 20230 pred 20232 pred 20234 21115 20227 20178 10187 20228 20233 20232 20230
Ready
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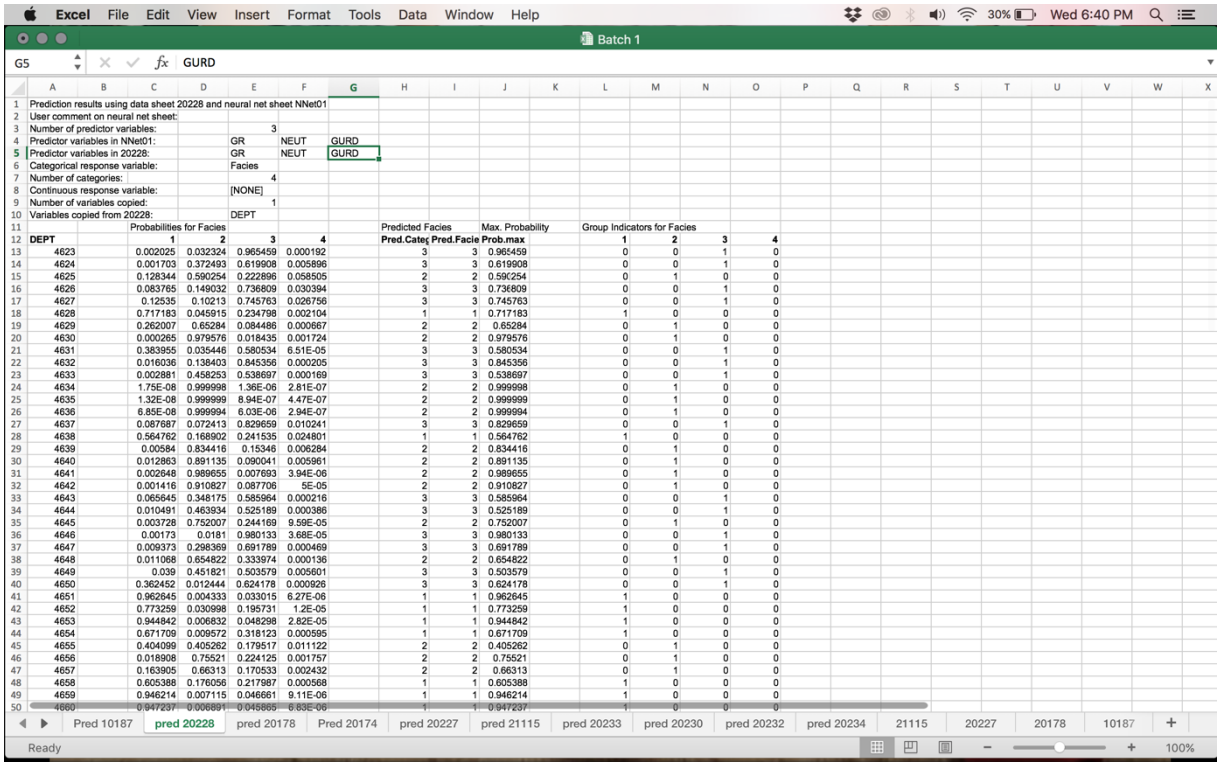

Excel File Edit View Insert Format Tools Data Window Help
30% Wed 6:40 PM
Batch 1
G5
GURD
Prediction results using data sheet 20228 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20228: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20228: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4623 0.002025 0.032324 0.965459 0.000192 3 3 0.965459 0 0 1 0
4624 0.001703 0.372493 0.619908 0.005896 3 3 0.619908 0 0 1 0
4625 0.128344 0.590254 0.222896 0.058505 2 2 0.590254 0 1 0 0
4626 0.083765 0.149032 0.736809 0.030394 3 3 0.736809 0 0 1 0
4627 0.12535 0.10213 0.745763 0.026756 3 3 0.745763 0 0 1 0
4628 0.717183 0.045915 0.234798 0.002104 1 1 0.717183 1 0 0 0
4629 0.262007 0.65284 0.084486 0.000667 2 2 0.65284 0 1 0 0
4630 0.000265 0.979576 0.018435 0.001724 2 2 0.979576 0 1 0 0
4631 0.383955 0.035446 0.580534 6.51E-05 3 3 0.580534 0 0 1 0
4632 0.016036 0.138403 0.845356 0.000205 3 3 0.845356 0 0 1 0
4633 0.002881 0.458253 0.538697 0.000169 3 3 0.538697 0 0 1 0
4634 1.75E-08 0.999998 1.36E-06 2.81E-07 2 2 0.999998 0 1 0 0
4635 1.32E-08 0.999999 8.94E-07 4.47E-07 2 2 0.999999 0 1 0 0
4636 6.85E-08 0.999994 6.03E-06 2.94E-07 2 2 0.999994 0 1 0 0
4637 0.087687 0.072413 0.829659 0.010241 3 3 0.829659 0 0 1 0
4638 0.564762 0.168902 0.241535 0.024801 1 1 0.564762 1 0 0 0
4639 0.00584 0.834416 0.15346 0.006284 2 2 0.834416 0 1 0 0
4640 0.012863 0.891135 0.090041 0.005961 2 2 0.891135 0 1 0 0
4641 0.002648 0.989655 0.007693 3.94E-06 2 2 0.989655 0 1 0 0
4642 0.001416 0.910827 0.087706 5E-05 2 2 0.910827 0 1 0 0
4643 0.065645 0.348175 0.585964 0.000216 3 3 0.585964 0 0 1 0
4644 0.010491 0.463934 0.525189 0.000386 3 3 0.525189 0 0 1 0
4645 0.003728 0.752007 0.244169 9.59E-05 2 2 0.752007 0 1 0 0
4646 0.00173 0.0181 0.980133 3.68E-05 3 3 0.980133 0 0 1 0
4647 0.009373 0.298369 0.691789 0.000469 3 3 0.691789 0 0 1 0
4648 0.011068 0.654822 0.333974 0.000136 2 2 0.654822 0 1 0 0
4649 0.039 0.451821 0.503579 0.005601 3 3 0.503579 0 0 1 0
4650 0.362452 0.012444 0.624178 0.000926 3 3 0.624178 0 0 1 0
4651 0.962645 0.004333 0.033015 6.27E-06 1 1 0.962645 1 0 0 0
4652 0.773259 0.030998 0.195731 1.2E-05 1 1 0.773259 1 0 0 0
4653 0.944842 0.006832 0.048298 2.82E-05 1 1 0.944842 1 0 0 0
4654 0.671709 0.009572 0.318123 0.000595 1 1 0.671709 1 0 0 0
4655 0.404099 0.405262 0.179517 0.011122 2 2 0.405262 0 1 0 0
4656 0.018908 0.75521 0.224125 0.001757 2 2 0.75521 0 1 0 0
4657 0.163905 0.66313 0.170533 0.002432 2 2 0.66313 0 1 0 0
4658 0.605388 0.176056 0.217987 0.000568 1 1 0.605388 1 0 0 0
4659 0.946214 0.007115 0.046661 9.11E-06 1 1 0.946214 1 0 0 0
4660 0.947237 0.006891 0.045865 6.83E-06 1 1 0.947237 1 0 0 0
Pred 10187 pred 20228 pred 20178 Pred 20174 pred 20227 pred 21115 pred 20233 pred 20230 pred 20232 pred 20234 21115 20227 20178 10187
Ready
100%

10187

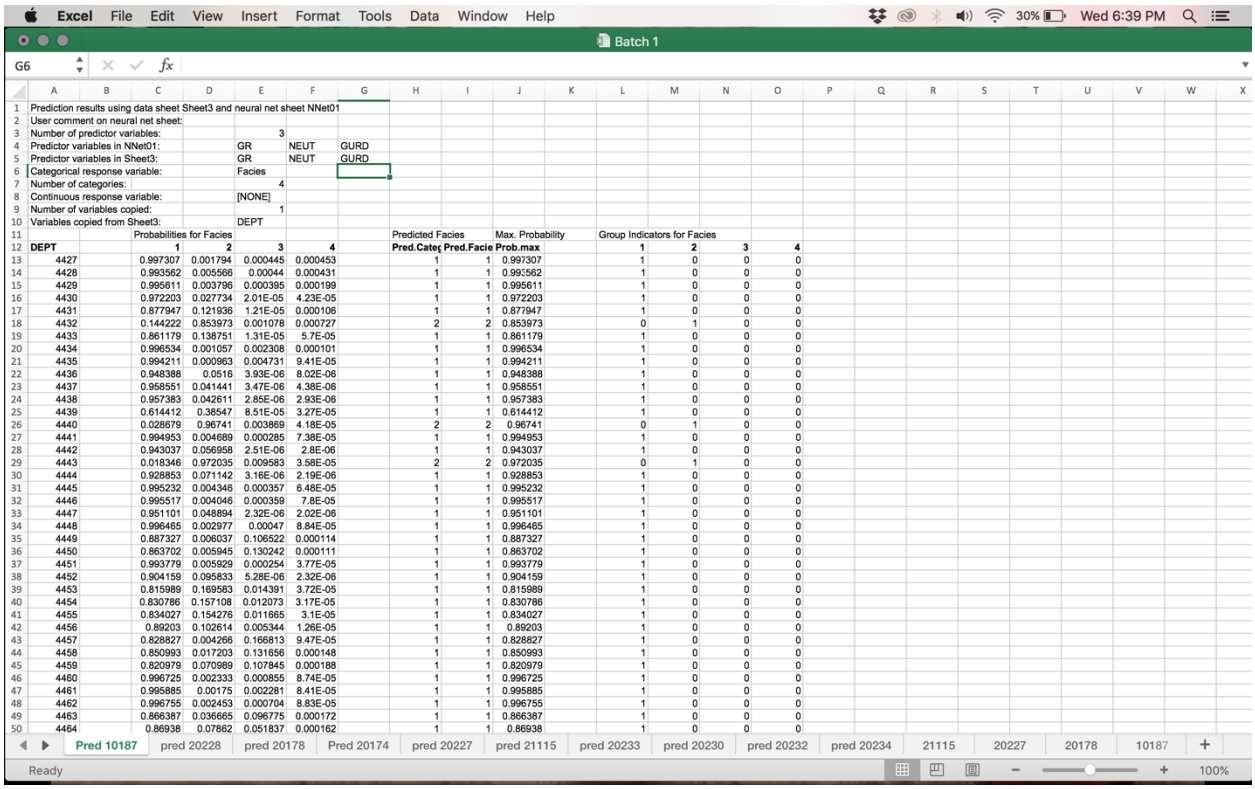
Batch 1

A1 15-083-10187

	A	B	C	D	E
1	15-083-10187				
2		DEPT	GR	NEUT	GURD
3		4427	118.101	19.449	20.872
4		4428	111.172	18.834	30.859
5		4429	100.165	25.734	30.077
6		4430	100.577	28.167	36.746
7		4431	101.502	24.495	44.029
8		4432	91.095	27.285	61.585
9		4433	87.773	29.727	49.307
10		4434	81.338	31.447	20.067
11		4435	79.689	34.57	19.407
12		4436	87.083	28.822	41.286
13		4437	77.081	32.897	41.245
14		4438	68.372	36.456	42.339
15		4439	63.191	41.4	61.664
16		4440	69.656	37.968	71.571
17		4441	77.939	30.471	33.322
18		4442	67.486	33.421	45.519
19		4443	57.752	34.967	80.226
20		4444	51.766	41.977	51.152
21		4445	60.854	39.578	33.655
22		4446	71.361	39.358	32.523
23		4447	58.261	42.431	44.5
24		4448	54.362	39.01	28.547
25		4449	53.014	34.971	17.034
26		4450	47.025	36.924	17.268
27		4451	37.691	43.542	36.917
28		4452	41.754	32.192	57.59
29		4453	36.042	31.435	13.615
30		4454	37.468	29.972	13.415
31		4455	38.364	32.319	13.349
32		4456	36.276	33.266	12.242
33		4457	35.82	31.851	17.943
34		4458	44.969	32.898	16.723
35		4459	40.947	31.927	16.005
36		4460	41.852	31.879	24.933
37		4461	43.93	32.887	22.858
38		4462	43.602	31.945	25.466
39		4463	50.833	33.407	16.044
40		4464	58.659	29.982	15.146
41		4465	60.817	31.55	26.931
42		4466	47.516	33.293	26.398
43		4467	39.88	30.066	27.947

pred 20227 | pred 21115 | pred 20233 | pred 20230 | pred 20232 | pred 20234 | 21115 | 20227 | 20178 | 10187 | 20228 | 20233 | 20232

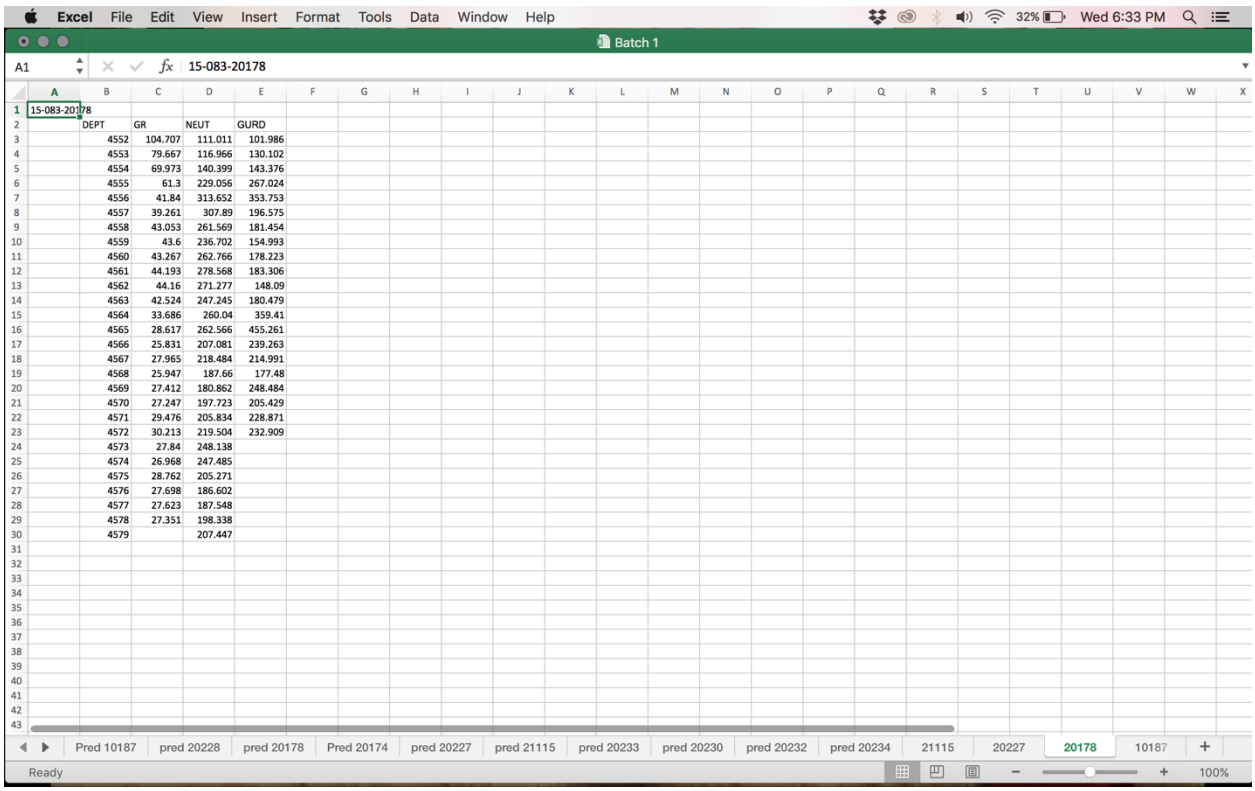
Ready 100%



1	Prediction results using data sheet Sheet3 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in Sheet3:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from Sheet3:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	**DEPT**		**1**	**2**	**3**	**4**		**Pred.Categ**	**Pred.Facie**	**Prob.max**		**1**	**2**	**3**	**4**								
13	4427		0.997307	0.001794	0.000445	0.000453		1	1	0.997307		1	0	0	0								
14	4428		0.993562	0.005566	0.00044	0.000431		1	1	0.993562		1	0	0	0								
15	4429		0.995611	0.003796	0.000395	0.000199		1	1	0.995611		1	0	0	0								
16	4430		0.972203	0.027734	2.01E-05	4.23E-05		1	1	0.972203		1	0	0	0								
17	4431		0.877947	0.121936	1.21E-05	0.000106		1	1	0.877947		1	0	0	0								
18	4432		0.144222	0.853973	0.001078	0.000727		2	2	0.853973		0	1	0	0								
19	4433		0.861179	0.138751	1.31E-05	5.7E-05		1	1	0.861179		1	0	0	0								
20	4434		0.996534	0.001057	0.002308	0.000101		1	1	0.996534		1	0	0	0								
21	4435		0.994211	0.000963	0.004731	9.41E-05		1	1	0.994211		1	0	0	0								
22	4436		0.948388	0.0516	3.93E-06	8.02E-06		1	1	0.948388		1	0	0	0								
23	4437		0.958551	0.041441	3.47E-06	4.38E-06		1	1	0.958551		1	0	0	0								
24	4438		0.957383	0.042611	2.85E-06	2.93E-06		1	1	0.957383		1	0	0	0								
25	4439		0.614412	0.38547	8.51E-05	3.27E-05		1	1	0.614412		1	0	0	0								
26	4440		0.028679	0.96741	0.003869	4.18E-05		2	2	0.96741		0	1	0	0								
27	4441		0.994953	0.004689	0.000285	7.38E-05		1	1	0.994953		1	0	0	0								
28	4442		0.943037	0.056958	2.51E-06	2.8E-06		1	1	0.943037		1	0	0	0								
29	4443		0.018346	0.972035	0.009583	3.58E-05		2	2	0.972035		0	1	0	0								
30	4444		0.928853	0.071142	3.16E-06	2.19E-06		1	1	0.928853		1	0	0	0								
31	4445		0.995232	0.004346	0.000357	6.48E-05		1	1	0.995232		1	0	0	0								
32	4446		0.995517	0.004046	0.000359	7.8E-05		1	1	0.995517		1	0	0	0								
33	4447		0.951101	0.048894	2.32E-06	2.02E-06		1	1	0.951101		1	0	0	0								
34	4448		0.996465	0.002977	0.00047	8.84E-05		1	1	0.996465		1	0	0	0								
35	4449		0.887327	0.006037	0.106522	0.000114		1	1	0.887327		1	0	0	0								
36	4450		0.863702	0.005945	0.130242	0.000111		1	1	0.863702		1	0	0	0								
37	4451		0.993779	0.005929	0.000254	3.77E-05		1	1	0.993779		1	0	0	0								
38	4452		0.904159	0.095833	5.28E-06	2.32E-06		1	1	0.904159		1	0	0	0								
39	4453		0.815989	0.169583	0.014391	3.72E-05		1	1	0.815989		1	0	0	0								
40	4454		0.830786	0.157108	0.012073	3.17E-05		1	1	0.830786		1	0	0	0								
41	4455		0.834027	0.154276	0.011665	3.1E-05		1	1	0.834027		1	0	0	0								
42	4456		0.89203	0.102614	0.005344	1.26E-05		1	1	0.89203		1	0	0	0								
43	4457		0.828827	0.004266	0.166813	9.47E-05		1	1	0.828827		1	0	0	0								
44	4458		0.850993	0.017203	0.131656	0.000148		1	1	0.850993		1	0	0	0								
45	4459		0.820979	0.070989	0.107845	0.000188		1	1	0.820979		1	0	0	0								
46	4460		0.996725	0.002333	0.000855	8.74E-05		1	1	0.996725		1	0	0	0								
47	4461		0.995885	0.00175	0.002281	8.41E-05		1	1	0.995885		1	0	0	0								
48	4462		0.996755	0.002453	0.000704	8.83E-05		1	1	0.996755		1	0	0	0								
49	4463		0.866387	0.036665	0.096775	0.000172		1	1	0.866387		1	0	0	0								
50	4464		0.86938	0.07862	0.051837	0.000162		1	1	0.86938		1	0	0	0								

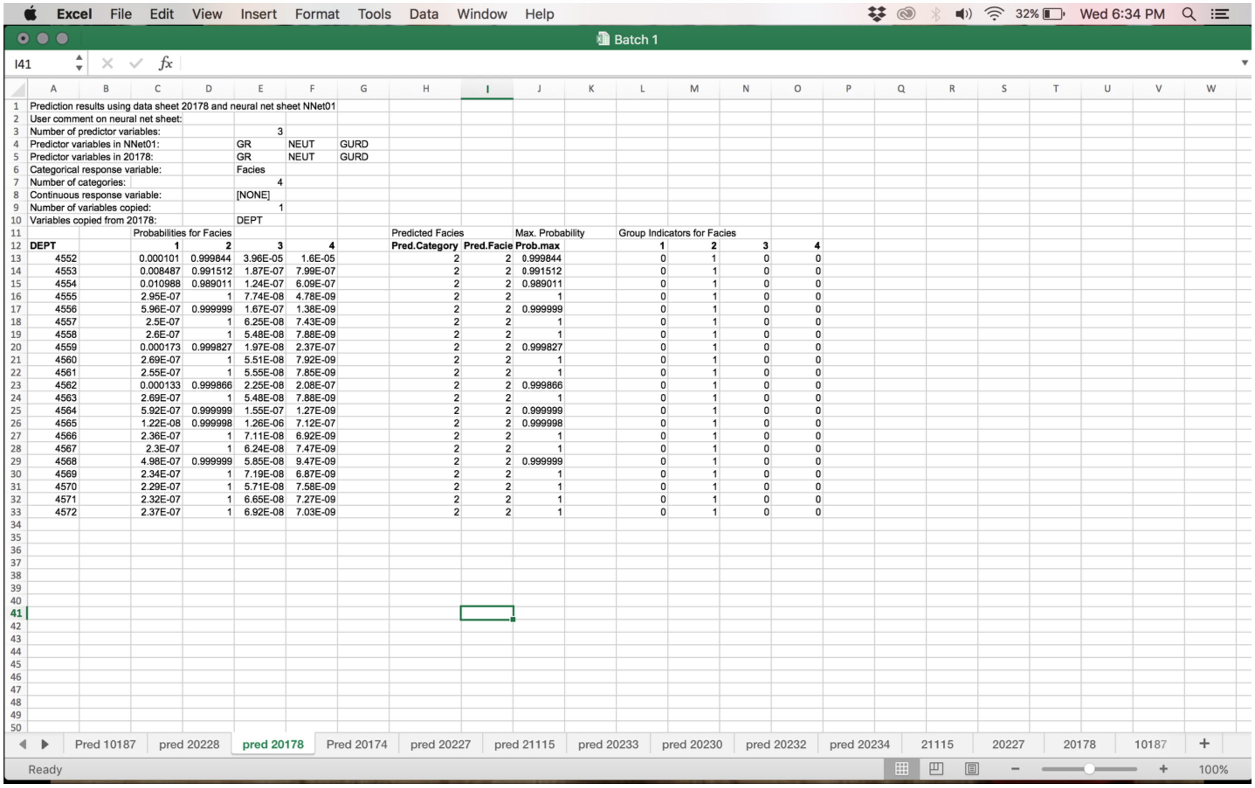
Pred 10187 | pred 20228 | pred 20178 | Pred 20174 | pred 20227 | pred 21115 | pred 20233 | pred 20230 | pred 20232 | pred 20234 | 21115 | 20227 | 20178 | 10187

20178



	A	B	C	D	E
1	15-083-20178				
2		DEPT	GR	NEUT	GURD
3		4552	104.707	111.011	101.986
4		4553	79.667	116.966	130.102
5		4554	69.973	140.399	143.376
6		4555	61.3	229.056	267.024
7		4556	41.84	313.652	353.753
8		4557	39.261	307.89	196.575
9		4558	43.053	261.569	181.454
10		4559	43.6	236.702	154.993
11		4560	43.267	262.766	178.223
12		4561	44.193	278.568	183.306
13		4562	44.16	271.277	148.09
14		4563	42.524	247.245	180.479
15		4564	33.686	260.04	359.41
16		4565	28.617	262.566	455.261
17		4566	25.831	207.081	239.263
18		4567	27.965	218.484	214.991
19		4568	25.947	187.66	177.48
20		4569	27.412	180.862	248.484
21		4570	27.247	197.723	205.429
22		4571	29.476	205.834	228.871
23		4572	30.213	219.504	232.909
24		4573	27.84	248.138	
25		4574	26.968	247.485	
26		4575	28.762	205.271	
27		4576	27.698	186.602	
28		4577	27.623	187.548	
29		4578	27.351	198.338	
30		4579		207.447	

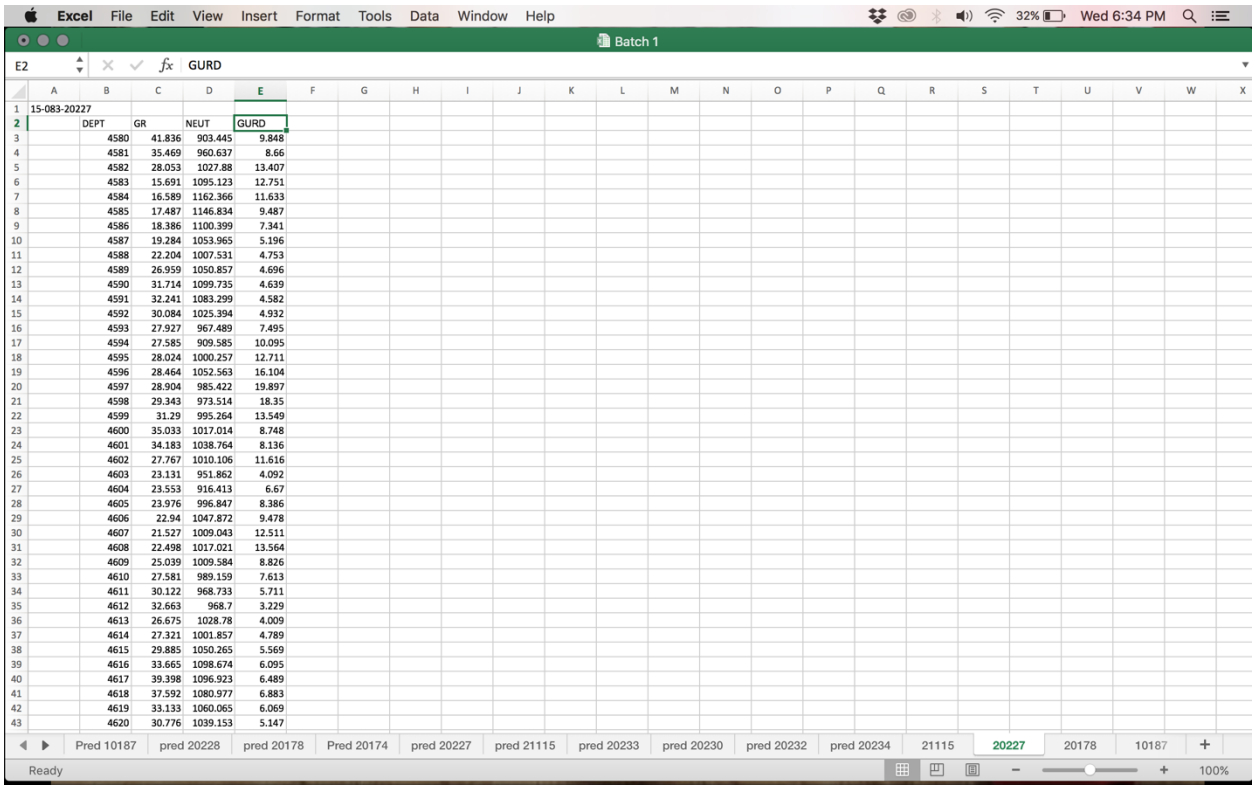
Pred 10187 | pred 20228 | pred 20178 | Pred 20174 | pred 20227 | pred 21115 | pred 20233 | pred 20230 | pred 20232 | pred 20234 | 21115 | 20227 | 20178 | 10187

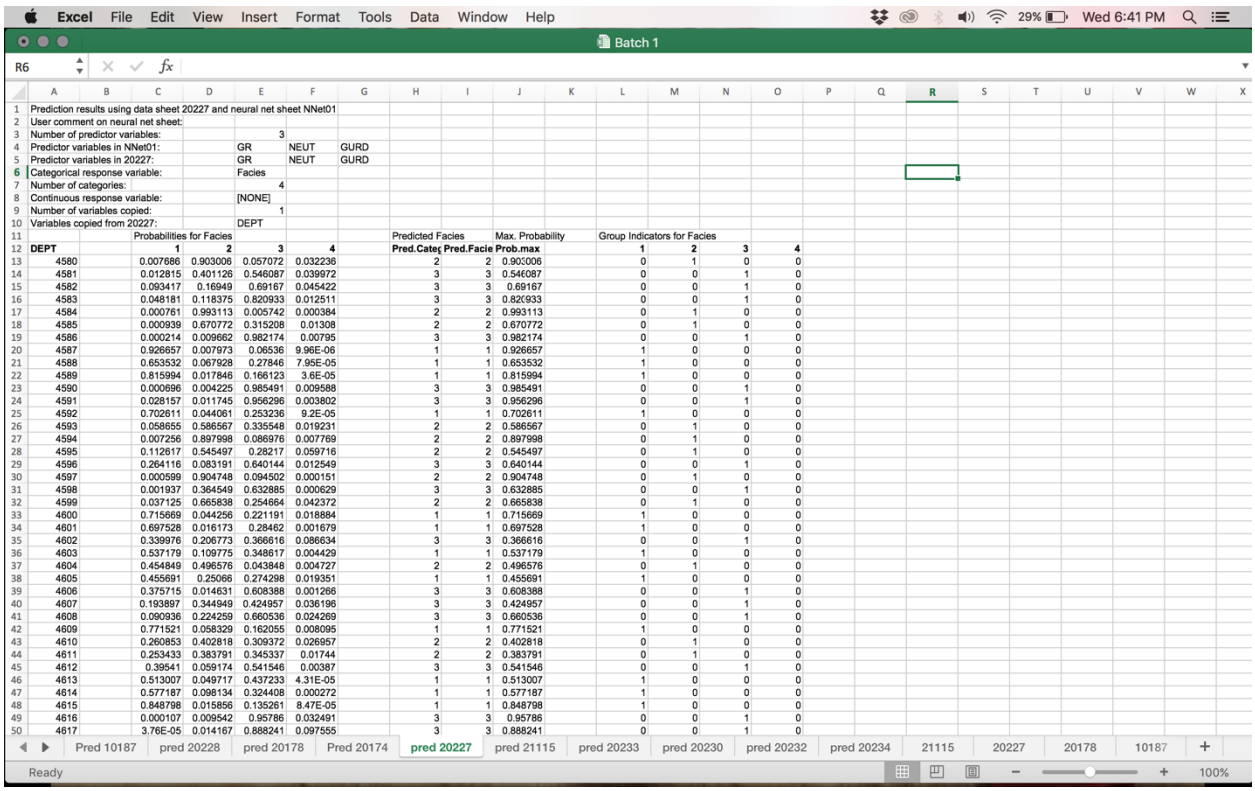


Prediction results using data sheet 20178 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20178: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20178: DEPT

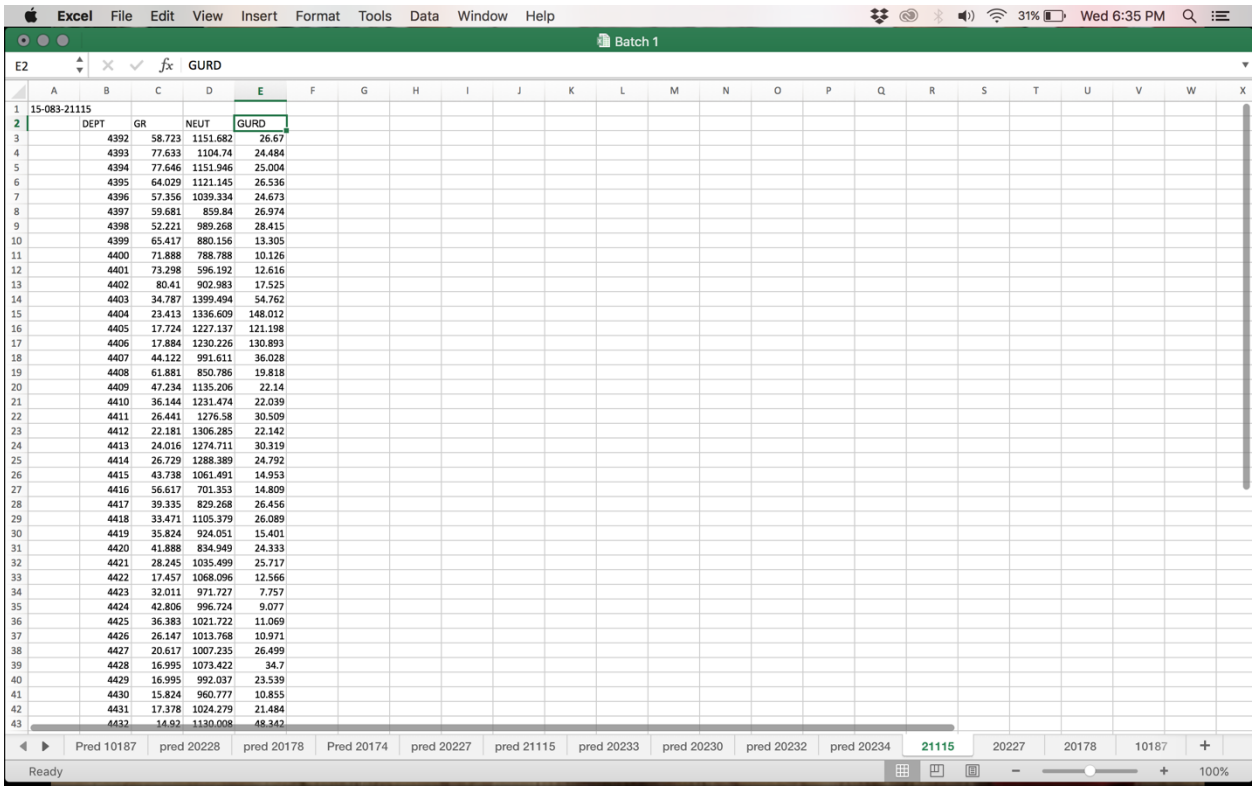
	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Category	Pred.Facie	Prob.max	1	2	3	4
4552	0.000101	0.999844	3.96E-05	1.6E-05	2	2	0.999844	0	1	0	0
4553	0.008487	0.991512	1.87E-07	7.99E-07	2	2	0.991512	0	1	0	0
4554	0.010988	0.989011	1.24E-07	6.09E-07	2	2	0.989011	0	1	0	0
4555	2.95E-07	1	7.74E-08	4.78E-09	2	2	1	0	1	0	0
4556	5.96E-07	0.999999	1.67E-07	1.38E-09	2	2	0.999999	0	1	0	0
4557	2.5E-07	1	6.25E-08	7.43E-09	2	2	1	0	1	0	0
4558	2.6E-07	1	5.48E-08	7.88E-09	2	2	1	0	1	0	0
4559	0.000173	0.999827	1.97E-08	2.37E-07	2	2	0.999827	0	1	0	0
4560	2.69E-07	1	5.51E-08	7.92E-09	2	2	1	0	1	0	0
4561	2.55E-07	1	5.55E-08	7.85E-09	2	2	1	0	1	0	0
4562	0.000133	0.999866	2.25E-08	2.08E-07	2	2	0.999866	0	1	0	0
4563	2.69E-07	1	5.48E-08	7.88E-09	2	2	1	0	1	0	0
4564	5.92E-07	0.999999	1.55E-07	1.27E-09	2	2	0.999999	0	1	0	0
4565	1.22E-08	0.999998	1.26E-06	7.12E-07	2	2	0.999998	0	1	0	0
4566	2.36E-07	1	7.11E-08	6.92E-09	2	2	1	0	1	0	0
4567	2.3E-07	1	6.24E-08	7.47E-09	2	2	1	0	1	0	0
4568	4.98E-07	0.999999	5.85E-08	9.47E-09	2	2	0.999999	0	1	0	0
4569	2.34E-07	1	7.19E-08	6.87E-09	2	2	1	0	1	0	0
4570	2.29E-07	1	5.71E-08	7.58E-09	2	2	1	0	1	0	0
4571	2.32E-07	1	6.65E-08	7.27E-09	2	2	1	0	1	0	0
4572	2.37E-07	1	6.92E-08	7.03E-09	2	2	1	0	1	0	0

20227

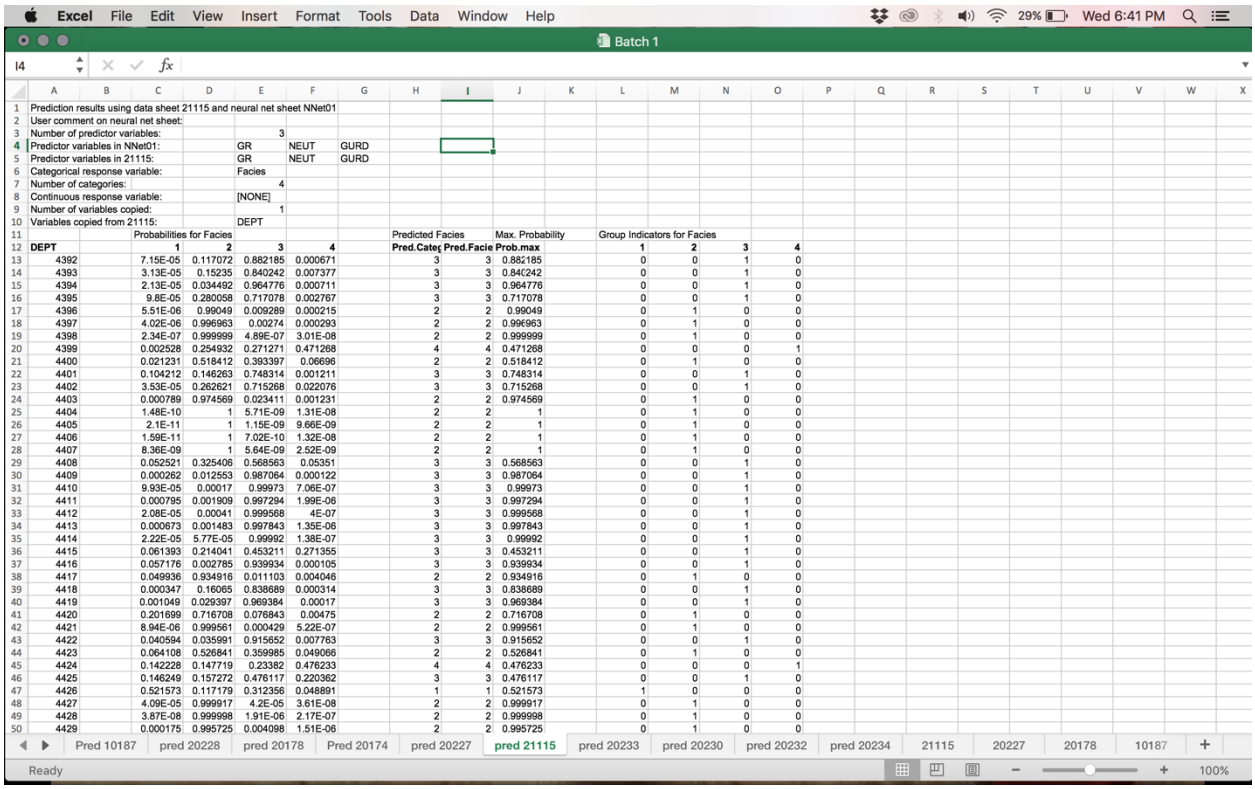

Excel File Edit View Insert Format Tools Data Window Help
32% Wed 6:34 PM
Batch 1
E2
GURD
15-083-20227
DEPT GR NEUT GURD
4580 41.836 903.445 9.848
4581 35.469 960.637 8.66
4582 28.053 1027.88 13.407
4583 15.691 1095.123 12.751
4584 16.589 1162.366 11.633
4585 17.487 1146.834 9.487
4586 18.386 1100.399 7.341
4587 19.284 1053.965 5.196
4588 22.204 1007.531 4.753
4589 26.959 1050.857 4.696
4590 31.714 1099.735 4.639
4591 32.241 1083.299 4.582
4592 30.084 1025.394 4.932
4593 27.927 967.489 7.495
4594 27.585 909.585 10.095
4595 28.024 1000.257 12.711
4596 28.464 1052.563 16.104
4597 28.904 985.422 19.897
4598 29.343 973.514 18.35
4599 31.29 995.264 13.549
4600 35.033 1017.014 8.748
4601 34.183 1038.764 8.136
4602 27.767 1010.106 11.616
4603 23.131 951.862 4.092
4604 23.553 916.413 6.67
4605 23.976 996.847 8.386
4606 22.94 1047.872 9.478
4607 21.527 1009.043 12.511
4608 22.498 1017.021 13.564
4609 25.039 1009.584 8.826
4610 27.581 989.159 7.613
4611 30.122 968.733 5.711
4612 32.663 968.7 3.229
4613 26.675 1028.78 4.009
4614 27.321 1001.857 4.789
4615 29.885 1050.265 5.569
4616 33.665 1098.674 6.095
4617 39.398 1096.923 6.489
4618 37.592 1080.977 6.883
4619 33.133 1060.065 6.069
4620 30.776 1039.153 5.147
Pred 10187 pred 20228 pred 20178 Pred 20174 pred 20227 pred 21115 pred 20233 pred 20230 pred 20232 pred 20234 21115 20227 20178 10187
Ready
100%


Excel File Edit View Insert Format Tools Data Window Help
29% Wed 6:41 PM
Batch 1
R6
Prediction results using data sheet 20227 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20227: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20227: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4580 0.007686 0.903006 0.057072 0.032236 2 2 0.903006 0 1 0 0
4581 0.012815 0.401126 0.546087 0.039972 3 3 0.546087 0 0 1 0
4582 0.093417 0.16949 0.69167 0.045422 3 3 0.69167 0 0 1 0
4583 0.048181 0.118375 0.820933 0.012511 3 3 0.820933 0 0 1 0
4584 0.000761 0.993113 0.005742 0.000384 2 2 0.993113 0 1 0 0
4585 0.000939 0.670772 0.315208 0.01308 2 2 0.670772 0 1 0 0
4586 0.000214 0.009662 0.982174 0.00795 3 3 0.982174 0 0 1 0
4587 0.926657 0.007973 0.06536 9.96E-06 1 1 0.926657 1 0 0 0
4588 0.653532 0.067928 0.27846 7.95E-05 1 1 0.653532 1 0 0 0
4589 0.815994 0.017846 0.166123 3.6E-05 1 1 0.815994 1 0 0 0
4590 0.000696 0.004225 0.985491 0.009588 3 3 0.985491 0 0 1 0
4591 0.028157 0.011745 0.956296 0.003802 3 3 0.956296 0 0 1 0
4592 0.702611 0.044061 0.253236 9.2E-05 1 1 0.702611 1 0 0 0
4593 0.058655 0.586567 0.335548 0.019231 2 2 0.586567 0 1 0 0
4594 0.007256 0.897998 0.086976 0.007769 2 2 0.897998 0 1 0 0
4595 0.112617 0.545497 0.28217 0.059716 2 2 0.545497 0 1 0 0
4596 0.264116 0.083191 0.640144 0.012549 3 3 0.640144 0 0 1 0
4597 0.000599 0.904748 0.094502 0.000151 2 2 0.904748 0 1 0 0
4598 0.001937 0.364549 0.632885 0.000629 3 3 0.632885 0 0 1 0
4599 0.037125 0.665838 0.254664 0.042372 2 2 0.665838 0 1 0 0
4600 0.715689 0.044256 0.221191 0.018884 1 1 0.715689 1 0 0 0
4601 0.697528 0.016173 0.28462 0.001679 1 1 0.697528 1 0 0 0
4602 0.339976 0.206773 0.366616 0.086634 3 3 0.366616 0 0 1 0
4603 0.537179 0.109775 0.348617 0.004429 1 1 0.537179 1 0 0 0
4604 0.454849 0.496576 0.043848 0.004727 2 2 0.496576 0 1 0 0
4605 0.455691 0.25066 0.274298 0.019351 1 1 0.455691 1 0 0 0
4606 0.375715 0.014631 0.608388 0.001266 3 3 0.608388 0 0 1 0
4607 0.193897 0.344949 0.424957 0.036196 3 3 0.424957 0 0 1 0
4608 0.090936 0.224259 0.660536 0.024269 3 3 0.660536 0 0 1 0
4609 0.771521 0.058329 0.162055 0.008095 1 1 0.771521 1 0 0 0
4610 0.260853 0.402818 0.309372 0.026957 2 2 0.402818 0 1 0 0
4611 0.253433 0.383791 0.345337 0.01744 2 2 0.383791 0 1 0 0
4612 0.39541 0.059174 0.541546 0.00387 3 3 0.541546 0 0 1 0
4613 0.513007 0.049717 0.437233 4.31E-05 1 1 0.513007 1 0 0 0
4614 0.577187 0.098134 0.324408 0.000272 1 1 0.577187 1 0 0 0
4615 0.848798 0.015856 0.135261 8.47E-05 1 1 0.848798 1 0 0 0
4616 0.000107 0.009542 0.95786 0.032491 3 3 0.95786 0 0 1 0
4617 3.76E-05 0.014167 0.888241 0.097555 3 3 0.888241 0 0 1 0
Pred 10187 pred 20228 pred 20178 Pred 20174 pred 20227 pred 21115 pred 20233 pred 20230 pred 20232 pred 20234 21115 20227 20178 10187
Ready
100%

21115

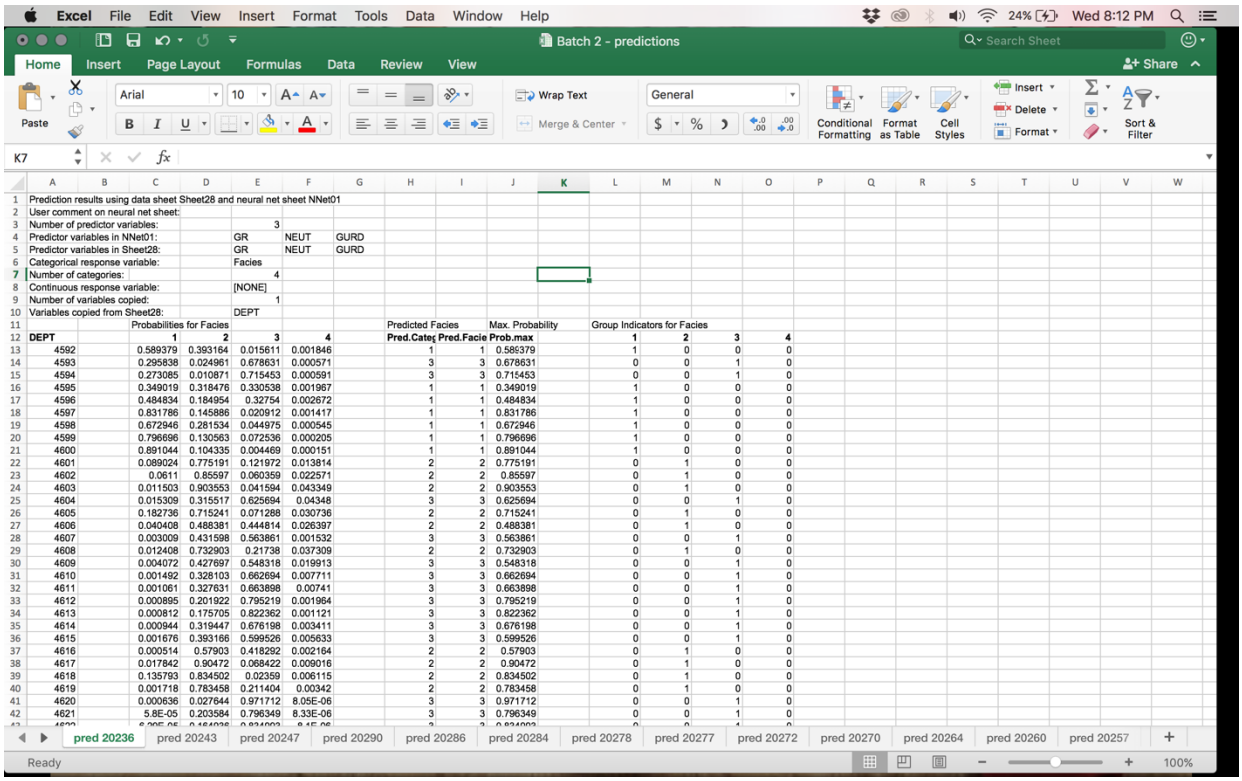


	A	B	C	D	E
1	15-083-21115				
2		DEPT	GR	NEUT	GURD
3		4392	58.723	1151.682	26.67
4		4393	77.633	1104.74	24.484
5		4394	77.646	1151.946	25.004
6		4395	64.029	1121.145	26.536
7		4396	57.356	1039.334	24.673
8		4397	59.681	859.84	26.974
9		4398	52.221	989.268	28.415
10		4399	65.417	880.156	13.305
11		4400	71.888	788.788	10.126
12		4401	73.298	596.192	12.616
13		4402	80.41	902.983	17.525
14		4403	34.787	1399.494	54.762
15		4404	23.413	1336.609	148.012
16		4405	17.724	1227.137	121.198
17		4406	17.884	1230.226	130.893
18		4407	44.122	991.611	36.028
19		4408	61.881	850.786	19.818
20		4409	47.234	1135.206	22.14
21		4410	36.144	1231.474	22.039
22		4411	26.441	1276.58	30.509
23		4412	22.181	1306.285	22.142
24		4413	24.016	1274.711	30.319
25		4414	26.729	1288.389	24.792
26		4415	43.738	1061.491	14.953
27		4416	56.617	701.353	14.809
28		4417	39.335	829.268	26.456
29		4418	33.471	1105.379	26.089
30		4419	35.824	924.051	15.401
31		4420	41.888	834.949	24.333
32		4421	28.245	1035.499	25.717
33		4422	17.457	1068.096	12.566
34		4423	32.011	971.727	7.757
35		4424	42.806	996.724	9.077
36		4425	36.383	1021.722	11.069
37		4426	26.147	1013.768	10.971
38		4427	20.617	1007.235	26.499
39		4428	16.995	1073.422	34.7
40		4429	16.995	992.037	23.539
41		4430	15.824	960.777	10.855
42		4431	17.378	1024.279	21.484
43		4432	14.92	1130.008	48.342


Excel File Edit View Insert Format Tools Data Window Help
29% Wed 6:41 PM
Batch 1
I4
Prediction results using data sheet 21115 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21115: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21115: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4392 7.15E-05 0.117072 0.882185 0.000671 3 3 0.882185 0 0 1 0
4393 3.13E-05 0.15235 0.840242 0.007377 3 3 0.84242 0 0 1 0
4394 2.13E-05 0.034492 0.964776 0.000711 3 3 0.964776 0 0 1 0
4395 9.8E-05 0.280058 0.717078 0.002767 3 3 0.717078 0 0 1 0
4396 5.51E-06 0.99049 0.009289 0.000215 2 2 0.99049 0 1 0 0
4397 4.02E-06 0.996963 0.00274 0.000293 2 2 0.99€963 0 1 0 0
4398 2.34E-07 0.999999 4.89E-07 3.01E-08 2 2 0.999999 0 1 0 0
4399 0.002528 0.254932 0.271271 0.471268 4 4 0.471268 0 0 0 1
4400 0.021231 0.518412 0.393397 0.06696 2 2 0.518412 0 1 0 0
4401 0.104212 0.146263 0.748314 0.001211 3 3 0.748314 0 0 1 0
4402 3.53E-05 0.262621 0.715268 0.022076 3 3 0.715268 0 0 1 0
4403 0.000789 0.974569 0.023411 0.001231 2 2 0.974569 0 1 0 0
4404 1.48E-10 1 5.71E-09 1.31E-08 2 2 1 0 1 0 0
4405 2.1E-11 1 1.15E-09 9.66E-09 2 2 1 0 1 0 0
4406 1.59E-11 1 7.02E-10 1.32E-08 2 2 1 0 1 0 0
4407 8.36E-09 1 5.64E-09 2.52E-09 2 2 1 0 1 0 0
4408 0.052521 0.325406 0.568563 0.05351 3 3 0.568563 0 0 1 0
4409 0.000262 0.012553 0.987064 0.000122 3 3 0.987064 0 0 1 0
4410 9.93E-05 0.00017 0.99973 7.06E-07 3 3 0.99973 0 0 1 0
4411 0.000795 0.001909 0.997294 1.99E-06 3 3 0.997294 0 0 1 0
4412 2.08E-05 0.00041 0.999568 4E-07 3 3 0.999568 0 0 1 0
4413 0.000673 0.001483 0.997843 1.35E-06 3 3 0.997843 0 0 1 0
4414 2.22E-05 5.77E-05 0.99992 1.38E-07 3 3 0.99992 0 0 1 0
4415 0.061393 0.214041 0.453211 0.271355 3 3 0.453211 0 0 1 0
4416 0.057176 0.002785 0.939934 0.000105 3 3 0.939934 0 0 1 0
4417 0.049936 0.934916 0.011103 0.004046 2 2 0.934916 0 1 0 0
4418 0.000347 0.16065 0.838689 0.000314 3 3 0.838689 0 0 1 0
4419 0.001049 0.029397 0.969384 0.00017 3 3 0.969384 0 0 1 0
4420 0.201699 0.716708 0.076843 0.00475 2 2 0.716708 0 1 0 0
4421 8.94E-06 0.999561 0.000429 5.22E-07 2 2 0.999561 0 1 0 0
4422 0.040594 0.035991 0.915652 0.007763 3 3 0.915652 0 0 1 0
4423 0.064108 0.526841 0.359985 0.049066 2 2 0.526841 0 1 0 0
4424 0.142228 0.147719 0.23382 0.476233 4 4 0.476233 0 0 0 1
4425 0.146249 0.157272 0.476117 0.220362 3 3 0.476117 0 0 1 0
4426 0.521573 0.117179 0.312356 0.048891 1 1 0.521573 1 0 0 0
4427 4.09E-05 0.999917 4.2E-05 3.61E-08 2 2 0.999917 0 1 0 0
4428 3.87E-08 0.999998 1.91E-06 2.17E-07 2 2 0.999998 0 1 0 0
4429 0.000175 0.995725 0.004098 1.51E-06 2 2 0.995725 0 1 0 0
Pred 10187 pred 20228 pred 20178 Pred 20174 pred 20227 pred 21115 pred 20233 pred 20230 pred 20232 pred 20234 21115 20227 20178 10187
Ready
100%

Batch 2

20236



Batch 2 - predictions

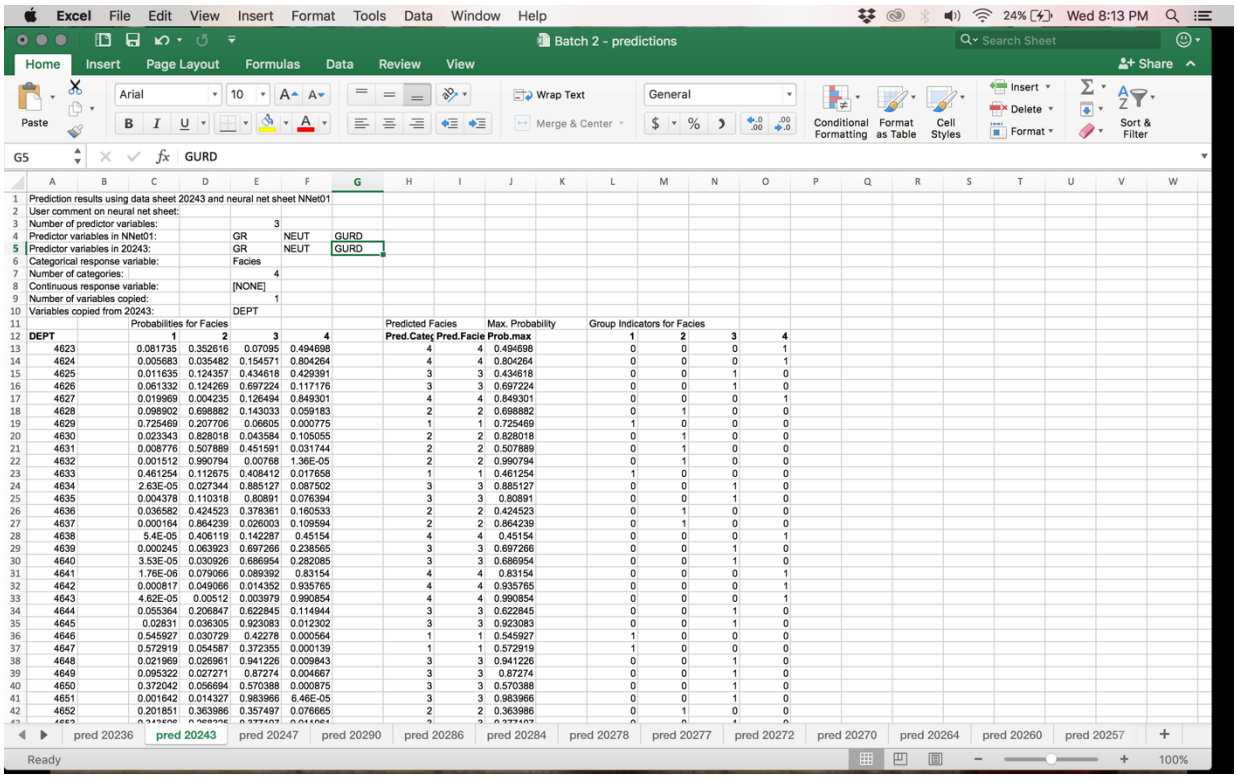
K7

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet Sheet28 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in Sheet28:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from Sheet28:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4592		0.589379	0.393164	0.015611	0.001846		1	1	0.586379	1	0	0	0	
14	4593		0.295838	0.024961	0.678631	0.000571		3	3	0.678631	0	0	1	0	
15	4594		0.273085	0.010871	0.715453	0.000591		3	3	0.715453	0	0	1	0	
16	4595		0.349019	0.319478	0.330538	0.001967		1	1	0.349019	1	0	0	0	
17	4596		0.484834	0.184954	0.32754	0.002672		1	1	0.484834	1	0	0	0	
18	4597		0.831786	0.145886	0.020912	0.001417		1	1	0.831786	1	0	0	0	
19	4598		0.672946	0.281534	0.044975	0.000545		1	1	0.672946	1	0	0	0	
20	4599		0.796696	0.130563	0.072536	0.000205		1	1	0.796696	1	0	0	0	
21	4600		0.891044	0.104335	0.004469	0.000151		1	1	0.891044	1	0	0	0	
22	4601		0.089024	0.775191	0.121972	0.013814		2	2	0.775191	0	1	0	0	
23	4602		0.0611	0.85597	0.060359	0.022571		2	2	0.85597	0	1	0	0	
24	4603		0.011503	0.903553	0.041594	0.043349		2	2	0.903553	0	1	0	0	
25	4604		0.015309	0.315517	0.625694	0.04348		3	3	0.625694	0	0	1	0	
26	4605		0.182736	0.715241	0.071288	0.030736		2	2	0.715241	0	1	0	0	
27	4606		0.040408	0.488381	0.444814	0.026397		2	2	0.488381	0	1	0	0	
28	4607		0.003009	0.431598	0.563861	0.001532		3	3	0.563861	0	0	1	0	
29	4608		0.012408	0.732903	0.21738	0.037309		2	2	0.732903	0	1	0	0	
30	4609		0.004072	0.427697	0.548318	0.019913		3	3	0.548318	0	0	1	0	
31	4610		0.001492	0.328103	0.662694	0.007711		3	3	0.662694	0	0	1	0	
32	4611		0.001061	0.327631	0.663898	0.00741		3	3	0.663898	0	0	1	0	
33	4612		0.000895	0.201922	0.795219	0.001964		3	3	0.795219	0	0	1	0	
34	4613		0.000812	0.175705	0.822362	0.001121		3	3	0.822362	0	0	1	0	
35	4614		0.000944	0.319447	0.676198	0.003411		3	3	0.676198	0	0	1	0	
36	4615		0.001676	0.393166	0.599526	0.005633		3	3	0.599526	0	0	1	0	
37	4616		0.000514	0.57903	0.418292	0.002184		2	2	0.57903	0	1	0	0	
38	4617		0.017842	0.90472	0.068422	0.009016		2	2	0.90472	0	1	0	0	
39	4618		0.135793	0.834502	0.02359	0.006115		2	2	0.834502	0	1	0	0	
40	4619		0.001718	0.783458	0.211404	0.00342		2	2	0.783458	0	1	0	0	
41	4620		0.000636	0.027644	0.971712	8.05E-06		3	3	0.971712	0	0	1	0	
42	4621		5.8E-05	0.203584	0.796349	8.33E-06		3	3	0.796349	0	0	1	0	

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257

Ready

20243



Batch 2 - predictions

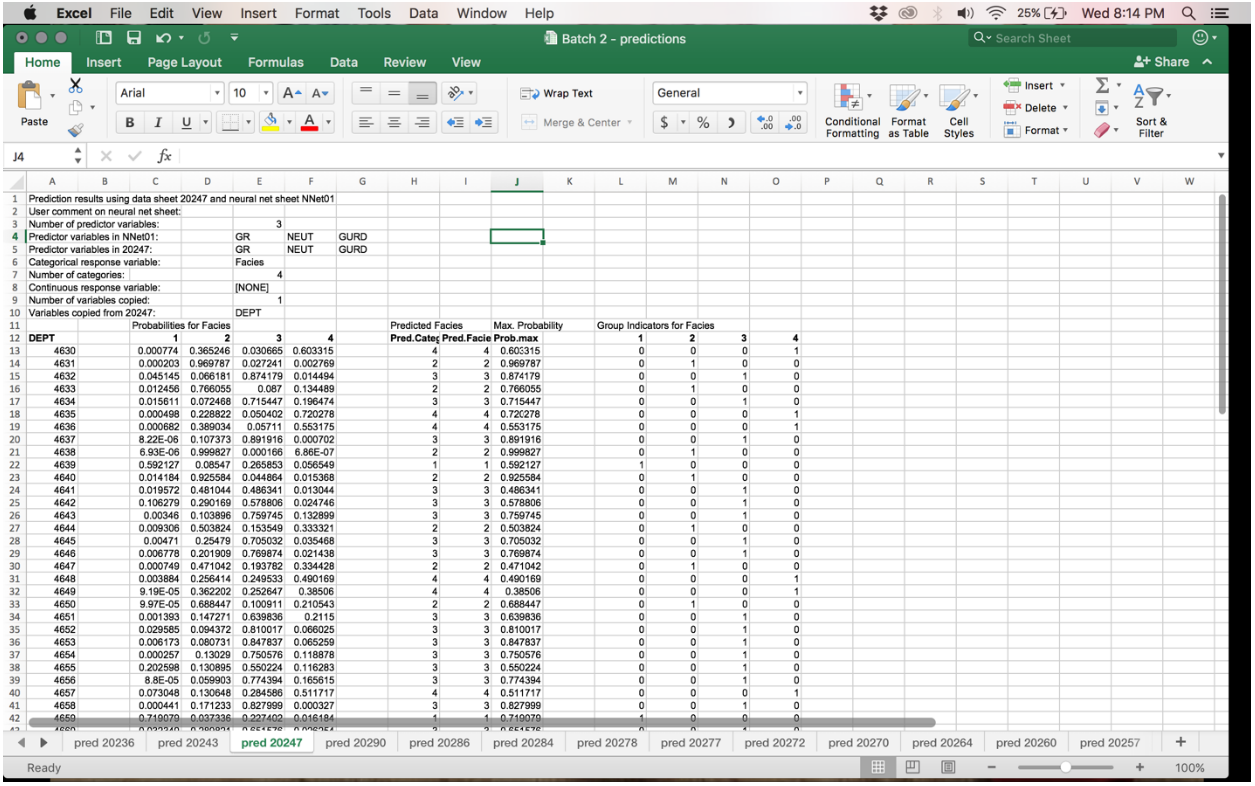
G5 GURD

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 20243 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 20243:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 20243:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4623		0.081735	0.352616	0.07095	0.494698		4	4	0.494698	0	0	0	1	
14	4624		0.005683	0.035482	0.154571	0.804264		4	4	0.804264	0	0	0	1	
15	4625		0.011635	0.124357	0.434618	0.429391		3	3	0.434618	0	0	1	0	
16	4626		0.061332	0.124269	0.697224	0.117176		3	3	0.697224	0	0	1	0	
17	4627		0.019969	0.004235	0.126494	0.849301		4	4	0.849301	0	0	0	1	
18	4628		0.098902	0.698882	0.143033	0.059183		2	2	0.698882	0	1	0	0	
19	4629		0.725469	0.207706	0.06605	0.000775		1	1	0.725469	1	0	0	0	
20	4630		0.023343	0.828018	0.043584	0.105055		2	2	0.828018	0	1	0	0	
21	4631		0.008776	0.507889	0.451591	0.031744		2	2	0.507889	0	1	0	0	
22	4632		0.001512	0.990794	0.00768	1.36E-05		2	2	0.990794	0	1	0	0	
23	4633		0.461254	0.112675	0.408412	0.017658		1	1	0.461254	1	0	0	0	
24	4634		2.63E-05	0.027344	0.885127	0.087502		3	3	0.885127	0	0	1	0	
25	4635		0.004378	0.110318	0.80891	0.076394		3	3	0.80891	0	0	1	0	
26	4636		0.036582	0.424523	0.378361	0.160533		2	2	0.424523	0	1	0	0	
27	4637		0.000164	0.864239	0.026003	0.109594		2	2	0.864239	0	1	0	0	
28	4638		5.4E-05	0.406119	0.142287	0.45154		4	4	0.45154	0	0	0	1	
29	4639		0.000245	0.063923	0.697266	0.238565		3	3	0.697266	0	0	1	0	
30	4640		3.53E-05	0.030926	0.686954	0.282085		3	3	0.686954	0	0	1	0	
31	4641		1.76E-06	0.079066	0.089392	0.83154		4	4	0.83154	0	0	0	1	
32	4642		0.000817	0.049066	0.014352	0.935765		4	4	0.935765	0	0	0	1	
33	4643		4.62E-05	0.00512	0.003979	0.990854		4	4	0.990854	0	0	0	1	
34	4644		0.055364	0.206847	0.622845	0.114944		3	3	0.622845	0	0	1	0	
35	4645		0.02831	0.036305	0.923083	0.012302		3	3	0.923083	0	0	1	0	
36	4646		0.545927	0.030729	0.42278	0.000564		1	1	0.545927	1	0	0	0	
37	4647		0.572919	0.054587	0.372355	0.000139		1	1	0.572919	1	0	0	0	
38	4648		0.021969	0.026961	0.941226	0.009843		3	3	0.941226	0	0	1	0	
39	4649		0.095322	0.027271	0.87274	0.004667		3	3	0.87274	0	0	1	0	
40	4650		0.372042	0.056694	0.570388	0.000875		3	3	0.570388	0	0	1	0	
41	4651		0.001642	0.014327	0.983966	6.46E-05		3	3	0.983966	0	0	1	0	
42	4652		0.201851	0.363986	0.357497	0.076665		2	2	0.363986	0	1	0	0	

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257

Ready

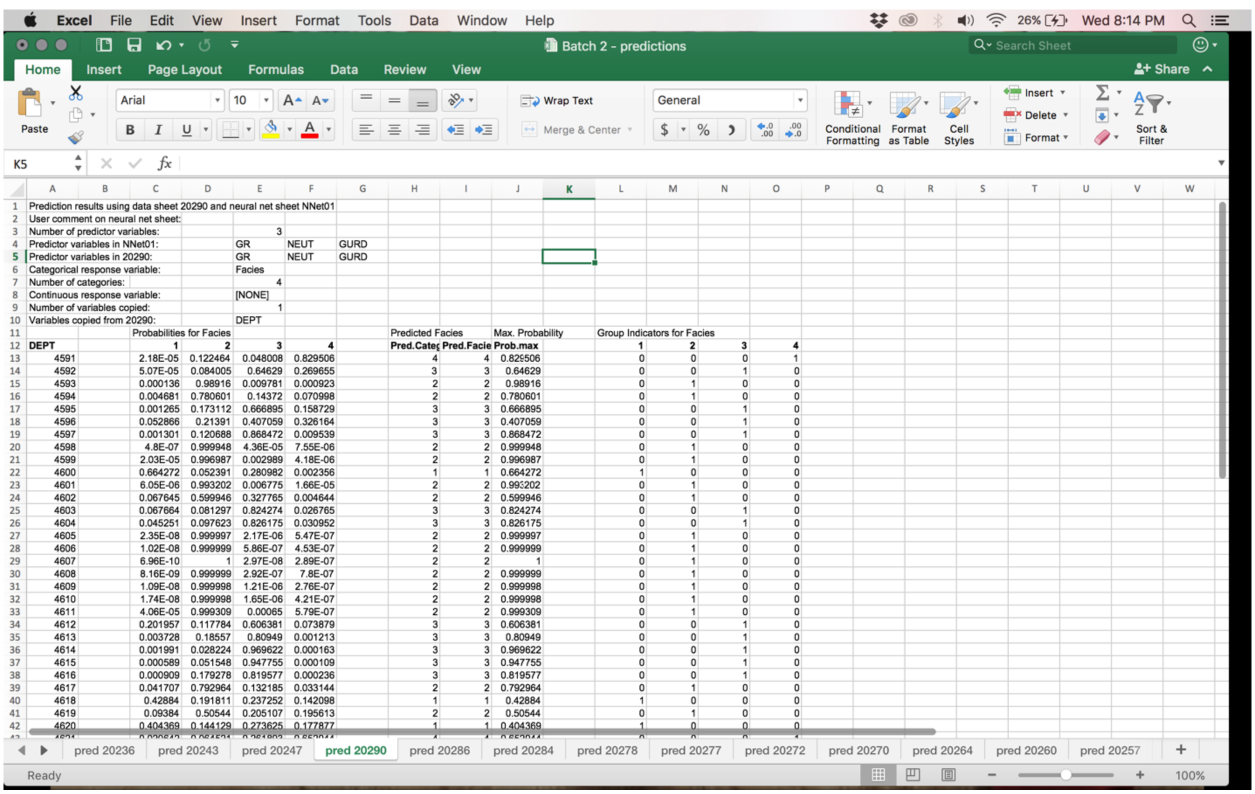
20247



Prediction results using data sheet 20247 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20247: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20247: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4630	0.000774	0.365246	0.030665	0.603315	4	4	0.603315	0	0	0	1
4631	0.000203	0.969787	0.027241	0.002769	2	2	0.969787	0	1	0	0
4632	0.045145	0.066181	0.874179	0.014494	3	3	0.874179	0	0	1	0
4633	0.012456	0.766055	0.087	0.134489	2	2	0.766055	0	1	0	0
4634	0.015611	0.072468	0.715447	0.196474	3	3	0.715447	0	0	1	0
4635	0.000498	0.228822	0.050402	0.720278	4	4	0.720278	0	0	0	1
4636	0.000682	0.389034	0.05711	0.553175	4	4	0.553175	0	0	0	1
4637	8.22E-06	0.107373	0.891916	0.000702	3	3	0.891916	0	0	1	0
4638	6.93E-06	0.999827	0.000166	6.86E-07	2	2	0.999827	0	1	0	0
4639	0.592127	0.08547	0.265853	0.056549	1	1	0.592127	1	0	0	0
4640	0.014184	0.925584	0.044864	0.015368	2	2	0.925584	0	1	0	0
4641	0.019572	0.481044	0.486341	0.013044	3	3	0.486341	0	0	1	0
4642	0.106279	0.290169	0.578806	0.024746	3	3	0.578806	0	0	1	0
4643	0.00346	0.103896	0.759745	0.132899	3	3	0.759745	0	0	1	0
4644	0.009306	0.503824	0.153549	0.333321	2	2	0.503824	0	1	0	0
4645	0.00471	0.25479	0.705032	0.035468	3	3	0.705032	0	0	1	0
4646	0.006778	0.201909	0.769874	0.021438	3	3	0.769874	0	0	1	0
4647	0.000749	0.471042	0.193782	0.334428	2	2	0.471042	0	1	0	0
4648	0.003884	0.256414	0.249533	0.490169	4	4	0.490169	0	0	0	1
4649	9.19E-05	0.362202	0.252647	0.38506	4	4	0.38506	0	0	0	1
4650	9.97E-05	0.688447	0.100911	0.210543	2	2	0.688447	0	1	0	0
4651	0.001393	0.147271	0.639836	0.2115	3	3	0.639836	0	0	1	0
4652	0.029585	0.094372	0.810017	0.066025	3	3	0.810017	0	0	1	0
4653	0.006173	0.080731	0.847837	0.065259	3	3	0.847837	0	0	1	0
4654	0.000257	0.13029	0.750576	0.118878	3	3	0.750576	0	0	1	0
4655	0.202598	0.130895	0.550224	0.116283	3	3	0.550224	0	0	1	0
4656	8.8E-05	0.059903	0.774394	0.165615	3	3	0.774394	0	0	1	0
4657	0.073048	0.130648	0.284586	0.511717	4	4	0.511717	0	0	0	1
4658	0.000441	0.171233	0.827999	0.000327	3	3	0.827999	0	0	1	0
4659	0.719079	0.037336	0.227402	0.016184	1	1	0.719079	1	0	0	0

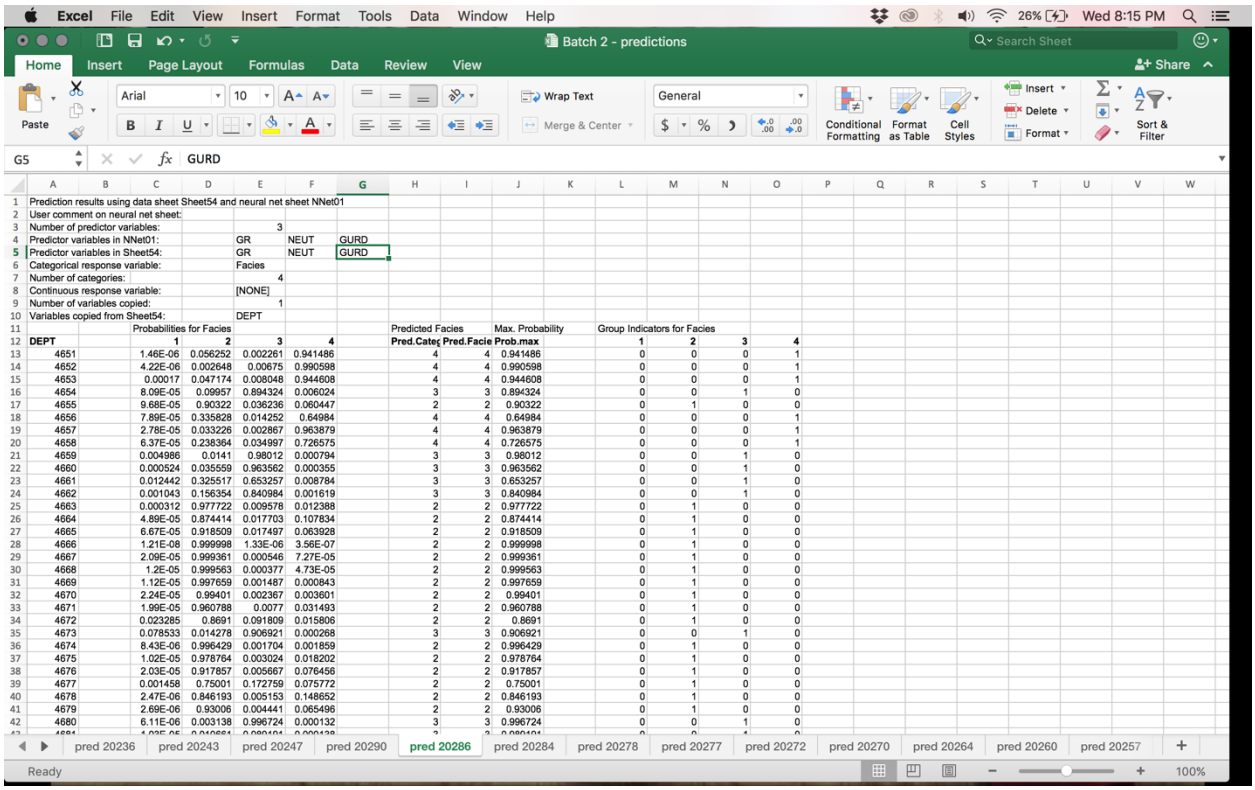
20290



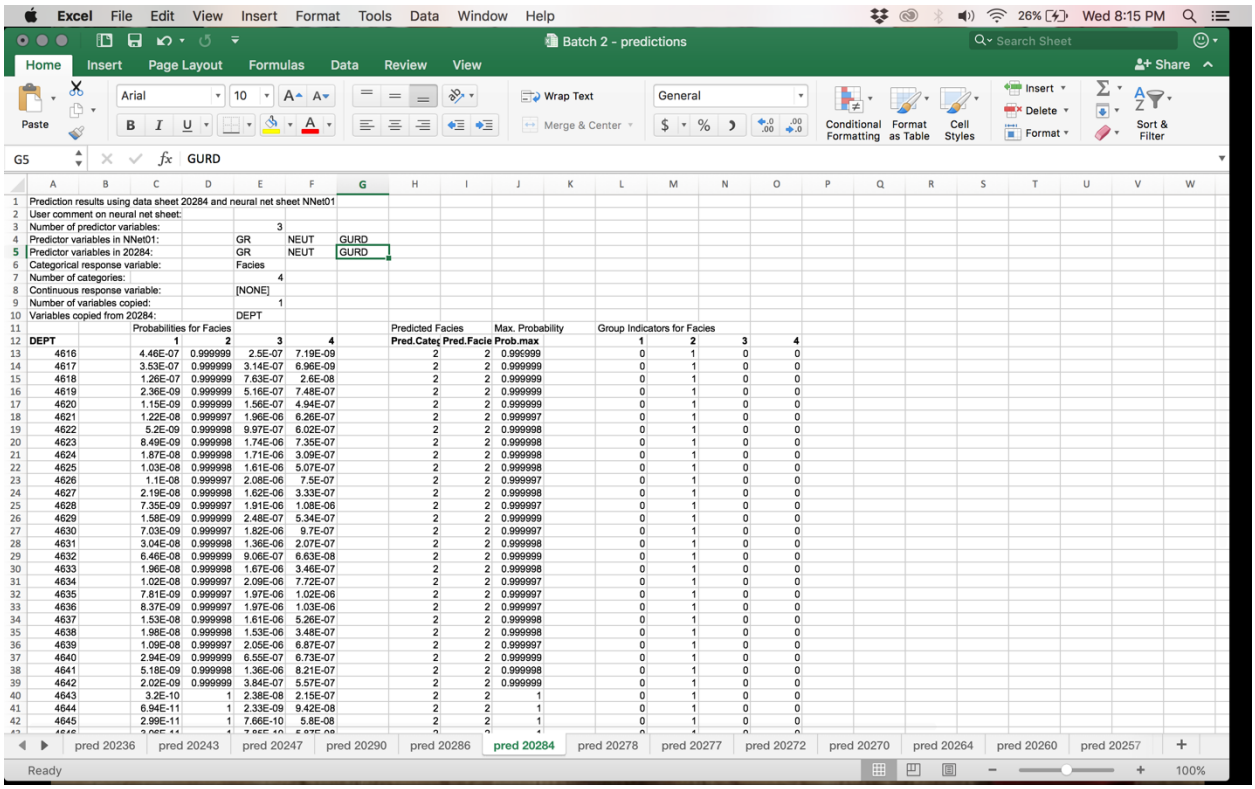
Prediction results using data sheet 20290 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20290: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20290: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4591	2.18E-05	0.122464	0.048008	0.829506	4	4	0.829506	0	0	0	1
4592	5.07E-05	0.084005	0.64629	0.269655	3	3	0.64629	0	0	1	0
4593	0.000136	0.98916	0.009781	0.000923	2	2	0.98916	0	1	0	0
4594	0.004681	0.780601	0.14372	0.070998	2	2	0.780601	0	1	0	0
4595	0.001265	0.173112	0.666895	0.158729	3	3	0.666895	0	0	1	0
4596	0.052866	0.21391	0.407059	0.326164	3	3	0.407059	0	0	1	0
4597	0.001301	0.120688	0.868472	0.009539	3	3	0.868472	0	0	1	0
4598	4.8E-07	0.999948	4.36E-05	7.55E-06	2	2	0.999948	0	1	0	0
4599	2.03E-05	0.996987	0.002989	4.18E-06	2	2	0.996987	0	1	0	0
4600	0.664272	0.052391	0.280982	0.002356	1	1	0.664272	1	0	0	0
4601	6.05E-06	0.993202	0.006775	1.66E-05	2	2	0.993202	0	1	0	0
4602	0.067645	0.599946	0.327765	0.004644	2	2	0.599946	0	1	0	0
4603	0.067664	0.081297	0.824274	0.026765	3	3	0.824274	0	0	1	0
4604	0.045251	0.097623	0.826175	0.030952	3	3	0.826175	0	0	1	0
4605	2.35E-08	0.999997	2.17E-06	5.47E-07	2	2	0.999997	0	1	0	0
4606	1.02E-08	0.999999	5.86E-07	4.53E-07	2	2	0.999999	0	1	0	0
4607	6.96E-10	1	2.97E-08	2.89E-07	2	2	1	0	1	0	0
4608	8.16E-09	0.999999	2.92E-07	7.8E-07	2	2	0.999999	0	1	0	0
4609	1.09E-08	0.999998	1.21E-06	2.76E-07	2	2	0.999998	0	1	0	0
4610	1.74E-08	0.999998	1.65E-06	4.21E-07	2	2	0.999998	0	1	0	0
4611	4.06E-05	0.999309	0.00065	5.79E-07	2	2	0.999309	0	1	0	0
4612	0.201957	0.117784	0.606381	0.073879	3	3	0.606381	0	0	1	0
4613	0.003728	0.18557	0.80949	0.001213	3	3	0.80949	0	0	1	0
4614	0.001991	0.028224	0.969622	0.000163	3	3	0.969622	0	0	1	0
4615	0.000589	0.051548	0.947755	0.000109	3	3	0.947755	0	0	1	0
4616	0.000909	0.179278	0.819577	0.000236	3	3	0.819577	0	0	1	0
4617	0.041707	0.792964	0.132185	0.033144	2	2	0.792964	0	1	0	0
4618	0.42884	0.191811	0.237252	0.142098	1	1	0.42884	1	0	0	0
4619	0.09384	0.50544	0.205107	0.195613	2	2	0.50544	0	1	0	0
4620	0.404369	0.144129	0.273625	0.177877	1	1	0.404369	1	0	0	0

20286


Batch 2 - predictions
Home
Insert
Page Layout
Formulas
Data
Review
View
Share
Paste
Arial
10
Wrap Text
General
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
G5
GURD
Prediction results using data sheet Sheet54 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in Sheet54: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from Sheet54: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4651 1.46E-06 0.056252 0.002261 0.941486 4 4 0.941486 0 0 0 1
4652 4.22E-06 0.002648 0.00675 0.990598 4 4 0.990598 0 0 0 1
4653 0.00017 0.047174 0.008048 0.944608 4 4 0.944608 0 0 0 1
4654 8.09E-05 0.09957 0.894324 0.006024 3 3 0.894324 0 0 1 0
4655 9.68E-05 0.90322 0.036236 0.060447 2 2 0.90322 0 1 0 0
4656 7.89E-05 0.335828 0.014252 0.64984 4 4 0.64984 0 0 0 1
4657 2.78E-05 0.033226 0.002867 0.963879 4 4 0.963879 0 0 0 1
4658 6.37E-05 0.238364 0.034997 0.726575 4 4 0.726575 0 0 0 1
4659 0.004986 0.0141 0.98012 0.000794 3 3 0.98012 0 0 1 0
4660 0.000524 0.035559 0.963562 0.000355 3 3 0.963562 0 0 1 0
4661 0.012442 0.325517 0.653257 0.008784 3 3 0.653257 0 0 1 0
4662 0.001043 0.156354 0.840984 0.001619 3 3 0.840984 0 0 1 0
4663 0.000312 0.977722 0.009578 0.012388 2 2 0.977722 0 1 0 0
4664 4.89E-05 0.874414 0.017703 0.107834 2 2 0.874414 0 1 0 0
4665 6.67E-05 0.918509 0.017497 0.063928 2 2 0.918509 0 1 0 0
4666 1.21E-08 0.999998 1.33E-06 3.56E-07 2 2 0.999998 0 1 0 0
4667 2.09E-05 0.999361 0.000546 7.27E-05 2 2 0.999361 0 1 0 0
4668 1.2E-05 0.999563 0.000377 4.73E-05 2 2 0.999563 0 1 0 0
4669 1.12E-05 0.997659 0.001487 0.000843 2 2 0.997659 0 1 0 0
4670 2.24E-05 0.99401 0.002367 0.003601 2 2 0.99401 0 1 0 0
4671 1.99E-05 0.960788 0.0077 0.031493 2 2 0.960788 0 1 0 0
4672 0.023285 0.8691 0.091809 0.015806 2 2 0.8691 0 1 0 0
4673 0.078533 0.014278 0.906921 0.000268 3 3 0.906921 0 0 1 0
4674 8.43E-06 0.996429 0.001704 0.001859 2 2 0.996429 0 1 0 0
4675 1.02E-05 0.978764 0.003024 0.018202 2 2 0.978764 0 1 0 0
4676 2.03E-05 0.917857 0.005667 0.076456 2 2 0.917857 0 1 0 0
4677 0.001458 0.75001 0.172759 0.075772 2 2 0.75001 0 1 0 0
4678 2.47E-06 0.846193 0.005153 0.148652 2 2 0.846193 0 1 0 0
4679 2.69E-06 0.93006 0.004441 0.065496 2 2 0.93006 0 1 0 0
4680 6.11E-06 0.003138 0.996724 0.000132 3 3 0.996724 0 0 1 0
pred 20236
pred 20243
pred 20247
pred 20290
pred 20286
pred 20284
pred 20278
pred 20277
pred 20272
pred 20270
pred 20264
pred 20260
pred 20257
Ready
100%

20284

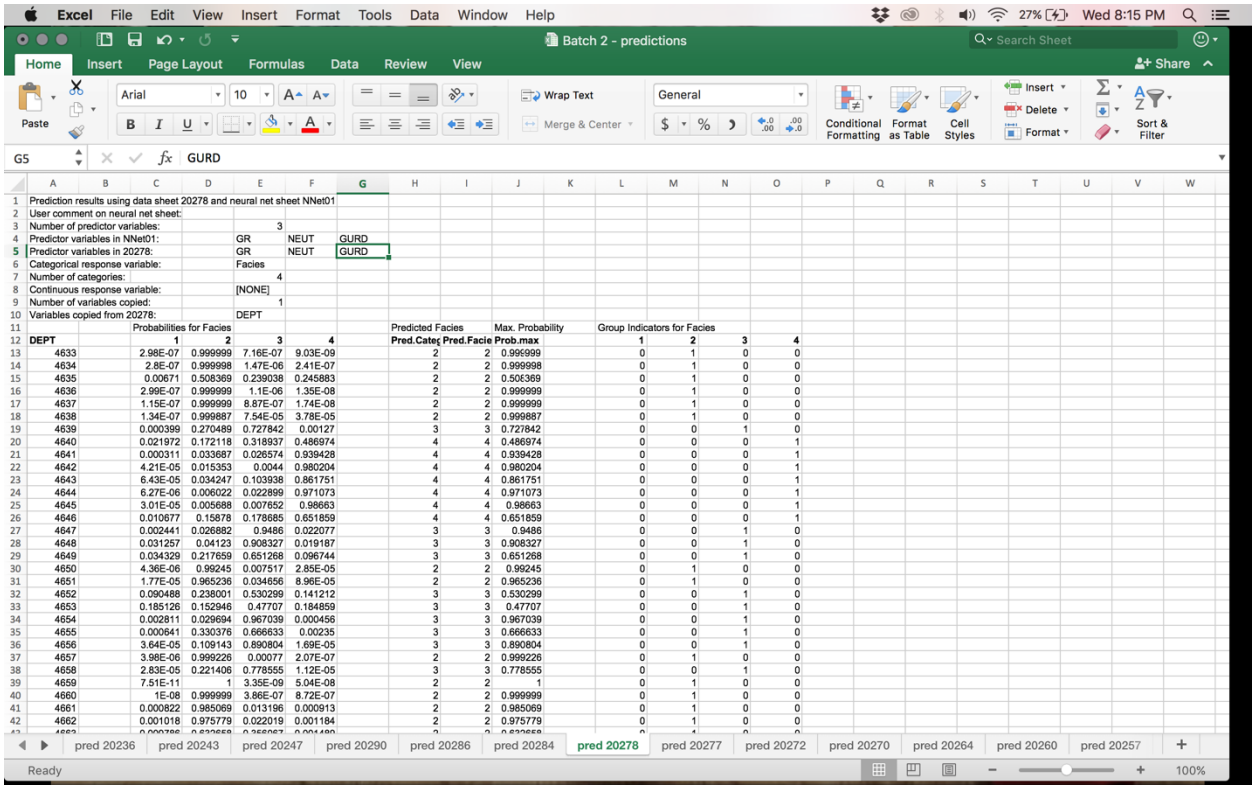


Prediction results using data sheet 20284 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20284: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20284: DEPT

DEPT	Probabilities for Facies 1	2	3	4	Predicted Facies Pred.Categ	Pred.Facie	Max. Probability Prob.max	Group Indicators for Facies 1	2	3	4
4616	4.46E-07	0.999999	2.5E-07	7.19E-09	2	2	0.999999	0	1	0	0
4617	3.53E-07	0.999999	3.14E-07	6.96E-09	2	2	0.999999	0	1	0	0
4618	1.26E-07	0.999999	7.63E-07	2.6E-08	2	2	0.999999	0	1	0	0
4619	2.36E-09	0.999999	5.16E-07	7.48E-07	2	2	0.999999	0	1	0	0
4620	1.15E-09	0.999999	1.56E-07	4.94E-07	2	2	0.999999	0	1	0	0
4621	1.22E-08	0.999997	1.96E-06	6.26E-07	2	2	0.999997	0	1	0	0
4622	5.2E-09	0.999998	9.97E-07	6.02E-07	2	2	0.999998	0	1	0	0
4623	8.49E-09	0.999998	1.74E-06	7.35E-07	2	2	0.999998	0	1	0	0
4624	1.87E-08	0.999998	1.71E-06	3.09E-07	2	2	0.999998	0	1	0	0
4625	1.03E-08	0.999998	1.61E-06	5.07E-07	2	2	0.999998	0	1	0	0
4626	1.1E-08	0.999997	2.08E-06	7.5E-07	2	2	0.999997	0	1	0	0
4627	2.19E-08	0.999998	1.62E-06	3.33E-07	2	2	0.999998	0	1	0	0
4628	7.35E-09	0.999997	1.91E-06	1.08E-06	2	2	0.999997	0	1	0	0
4629	1.58E-09	0.999999	2.48E-07	5.34E-07	2	2	0.999999	0	1	0	0
4630	7.03E-09	0.999997	1.82E-06	9.7E-07	2	2	0.999997	0	1	0	0
4631	3.04E-08	0.999998	1.36E-06	2.07E-07	2	2	0.999998	0	1	0	0
4632	6.46E-08	0.999999	9.06E-07	6.63E-08	2	2	0.999999	0	1	0	0
4633	1.96E-08	0.999998	1.67E-06	3.46E-07	2	2	0.999998	0	1	0	0
4634	1.02E-08	0.999997	2.09E-06	7.72E-07	2	2	0.999997	0	1	0	0
4635	7.81E-09	0.999997	1.97E-06	1.02E-06	2	2	0.999997	0	1	0	0
4636	8.37E-09	0.999997	1.97E-06	1.03E-06	2	2	0.999997	0	1	0	0
4637	1.53E-08	0.999998	1.61E-06	5.26E-07	2	2	0.999998	0	1	0	0
4638	1.98E-08	0.999998	1.53E-06	3.48E-07	2	2	0.999998	0	1	0	0
4639	1.09E-08	0.999997	2.05E-06	6.87E-07	2	2	0.999997	0	1	0	0
4640	2.94E-09	0.999999	6.55E-07	6.73E-07	2	2	0.999999	0	1	0	0
4641	5.18E-09	0.999998	1.36E-06	8.21E-07	2	2	0.999998	0	1	0	0
4642	2.02E-09	0.999999	3.84E-07	5.57E-07	2	2	0.999999	0	1	0	0
4643	3.2E-10	1	2.38E-08	2.15E-07	2	2	1	0	1	0	0
4644	6.94E-11	1	2.33E-09	9.42E-08	2	2	1	0	1	0	0
4645	2.99E-11	1	7.66E-10	5.8E-08	2	2	1	0	1	0	0

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257

20278

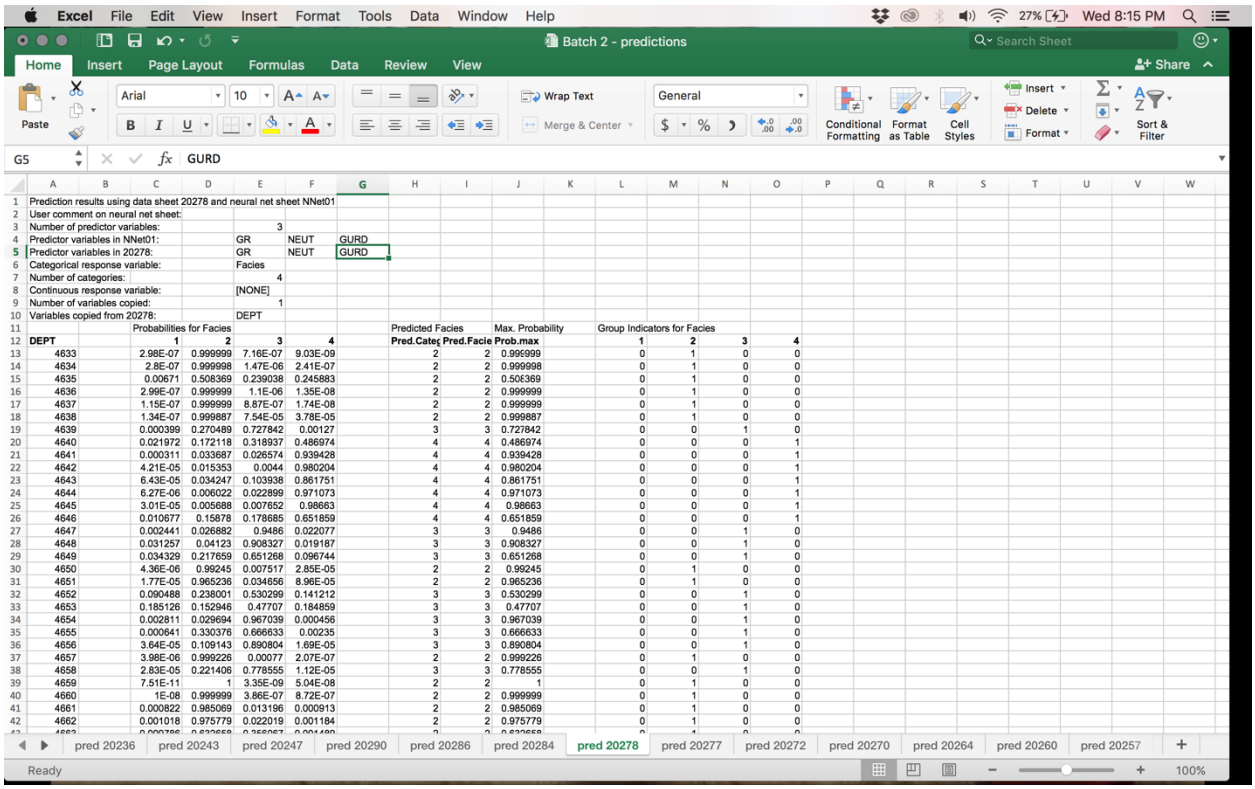


Prediction results using data sheet 20278 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20278: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20278: DEPT

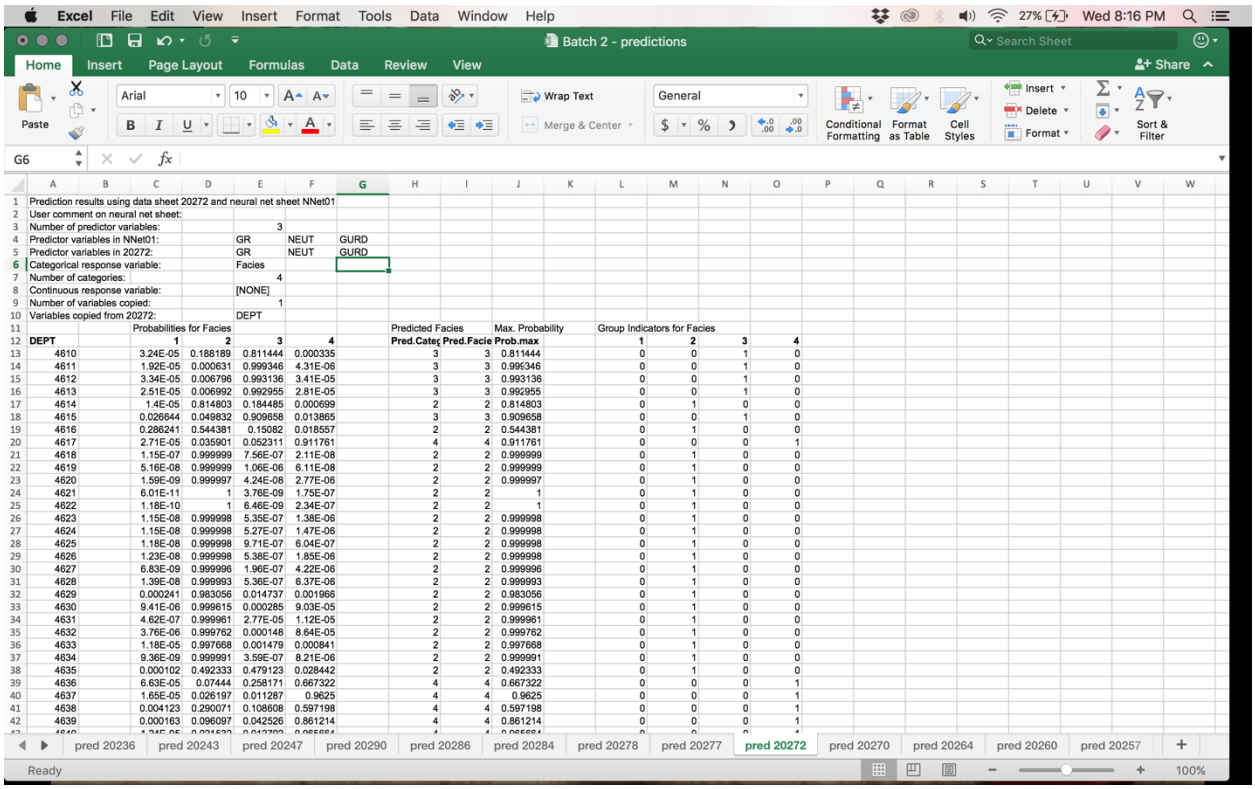
DEPT	Probabilities for Facies 1	2	3	4	Predicted Facies Pred.Categ	Pred.Facie	Max. Probability Prob.max	Group Indicators for Facies 1	2	3	4
4633	2.98E-07	0.999999	7.16E-07	9.03E-09	2	2	0.999999	0	1	0	0
4634	2.8E-07	0.999998	1.47E-06	2.41E-07	2	2	0.999998	0	1	0	0
4635	0.00671	0.508369	0.239038	0.245883	2	2	0.508369	0	1	0	0
4636	2.99E-07	0.999999	1.1E-06	1.35E-08	2	2	0.999999	0	1	0	0
4637	1.15E-07	0.999999	8.87E-07	1.74E-08	2	2	0.999999	0	1	0	0
4638	1.34E-07	0.999887	7.54E-05	3.78E-05	2	2	0.999887	0	1	0	0
4639	0.000399	0.270489	0.727842	0.00127	3	3	0.727842	0	0	1	0
4640	0.021972	0.172118	0.318937	0.486974	4	4	0.486974	0	0	0	1
4641	0.000311	0.033687	0.026574	0.939428	4	4	0.939428	0	0	0	1
4642	4.21E-05	0.015353	0.0044	0.980204	4	4	0.980204	0	0	0	1
4643	6.43E-05	0.034247	0.103938	0.861751	4	4	0.861751	0	0	0	1
4644	6.27E-06	0.006022	0.022899	0.971073	4	4	0.971073	0	0	0	1
4645	3.01E-05	0.005688	0.007652	0.98663	4	4	0.98663	0	0	0	1
4646	0.010677	0.15878	0.178685	0.651859	4	4	0.651859	0	0	0	1
4647	0.002441	0.026882	0.9486	0.022077	3	3	0.9486	0	0	1	0
4648	0.031257	0.04123	0.908327	0.019187	3	3	0.908327	0	0	1	0
4649	0.034329	0.217659	0.651268	0.096744	3	3	0.651268	0	0	1	0
4650	4.36E-06	0.99245	0.007517	2.85E-05	2	2	0.99245	0	1	0	0
4651	1.77E-05	0.965236	0.034656	8.96E-05	2	2	0.965236	0	1	0	0
4652	0.090488	0.238001	0.530299	0.141212	3	3	0.530299	0	0	1	0
4653	0.185126	0.152946	0.47707	0.184859	3	3	0.47707	0	0	1	0
4654	0.002811	0.029694	0.967039	0.000456	3	3	0.967039	0	0	1	0
4655	0.000641	0.330376	0.666633	0.00235	3	3	0.666633	0	0	1	0
4656	3.64E-05	0.109143	0.890804	1.69E-05	3	3	0.890804	0	0	1	0
4657	3.98E-06	0.999226	0.00077	2.07E-07	2	2	0.999226	0	1	0	0
4658	2.83E-05	0.221406	0.778555	1.12E-05	3	3	0.778555	0	0	1	0
4659	7.51E-11	1	3.35E-09	5.04E-08	2	2	1	0	1	0	0
4660	1E-08	0.999999	3.86E-07	8.72E-07	2	2	0.999999	0	1	0	0
4661	0.000822	0.985069	0.013196	0.000913	2	2	0.985069	0	1	0	0
4662	0.001018	0.975779	0.022019	0.001184	2	2	0.975779	0	1	0	0

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257

20277


Batch 2 - predictions
Prediction results using data sheet 20278 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20278: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20278: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4633 2.98E-07 0.999999 7.16E-07 9.03E-09 2 2 0.999999 0 1 0 0
4634 2.8E-07 0.999998 1.47E-06 2.41E-07 2 2 0.999998 0 1 0 0
4635 0.00671 0.508369 0.239038 0.245883 2 2 0.508369 0 1 0 0
4636 2.99E-07 0.999999 1.1E-06 1.35E-08 2 2 0.999999 0 1 0 0
4637 1.15E-07 0.999999 8.87E-07 1.74E-08 2 2 0.999999 0 1 0 0
4638 1.34E-07 0.999887 7.54E-05 3.78E-05 2 2 0.999887 0 1 0 0
4639 0.000399 0.270489 0.727842 0.00127 3 3 0.727842 0 0 1 0
4640 0.021972 0.172118 0.318937 0.486974 4 4 0.486974 0 0 0 1
4641 0.000311 0.033687 0.026574 0.939428 4 4 0.939428 0 0 0 1
4642 4.21E-05 0.015353 0.0044 0.980204 4 4 0.980204 0 0 0 1
4643 6.43E-05 0.034247 0.103938 0.861751 4 4 0.861751 0 0 0 1
4644 6.27E-06 0.006022 0.022899 0.971073 4 4 0.971073 0 0 0 1
4645 3.01E-05 0.005688 0.007652 0.98663 4 4 0.98663 0 0 0 1
4646 0.010677 0.15878 0.178685 0.651859 4 4 0.651859 0 0 0 1
4647 0.002441 0.026882 0.9486 0.022077 3 3 0.9486 0 0 1 0
4648 0.031257 0.04123 0.908327 0.019187 3 3 0.908327 0 0 1 0
4649 0.034329 0.217659 0.651268 0.096744 3 3 0.651268 0 0 1 0
4650 4.36E-06 0.99245 0.007517 2.85E-05 2 2 0.99245 0 1 0 0
4651 1.77E-05 0.965236 0.034656 8.96E-05 2 2 0.965236 0 1 0 0
4652 0.090488 0.238001 0.530299 0.141212 3 3 0.530299 0 0 1 0
4653 0.185126 0.152946 0.47707 0.184859 3 3 0.47707 0 0 1 0
4654 0.002811 0.029694 0.967039 0.000456 3 3 0.967039 0 0 1 0
4655 0.000641 0.330376 0.666633 0.00235 3 3 0.666633 0 0 1 0
4656 3.64E-05 0.109143 0.890804 1.69E-05 3 3 0.890804 0 0 1 0
4657 3.98E-06 0.999226 0.00077 2.07E-07 2 2 0.999226 0 1 0 0
4658 2.83E-05 0.221406 0.778555 1.12E-05 3 3 0.778555 0 0 1 0
4659 7.51E-11 1 3.35E-09 5.04E-08 2 2 1 0 1 0 0
4660 1E-08 0.999999 3.86E-07 8.72E-07 2 2 0.999999 0 1 0 0
4661 0.000822 0.985069 0.013196 0.000913 2 2 0.985069 0 1 0 0
4662 0.001018 0.975779 0.022019 0.001184 2 2 0.975779 0 1 0 0
pred 20236 pred 20243 pred 20247 pred 20290 pred 20286 pred 20284 pred 20278 pred 20277 pred 20272 pred 20270 pred 20264 pred 20260 pred 20257
Ready
100%

20272

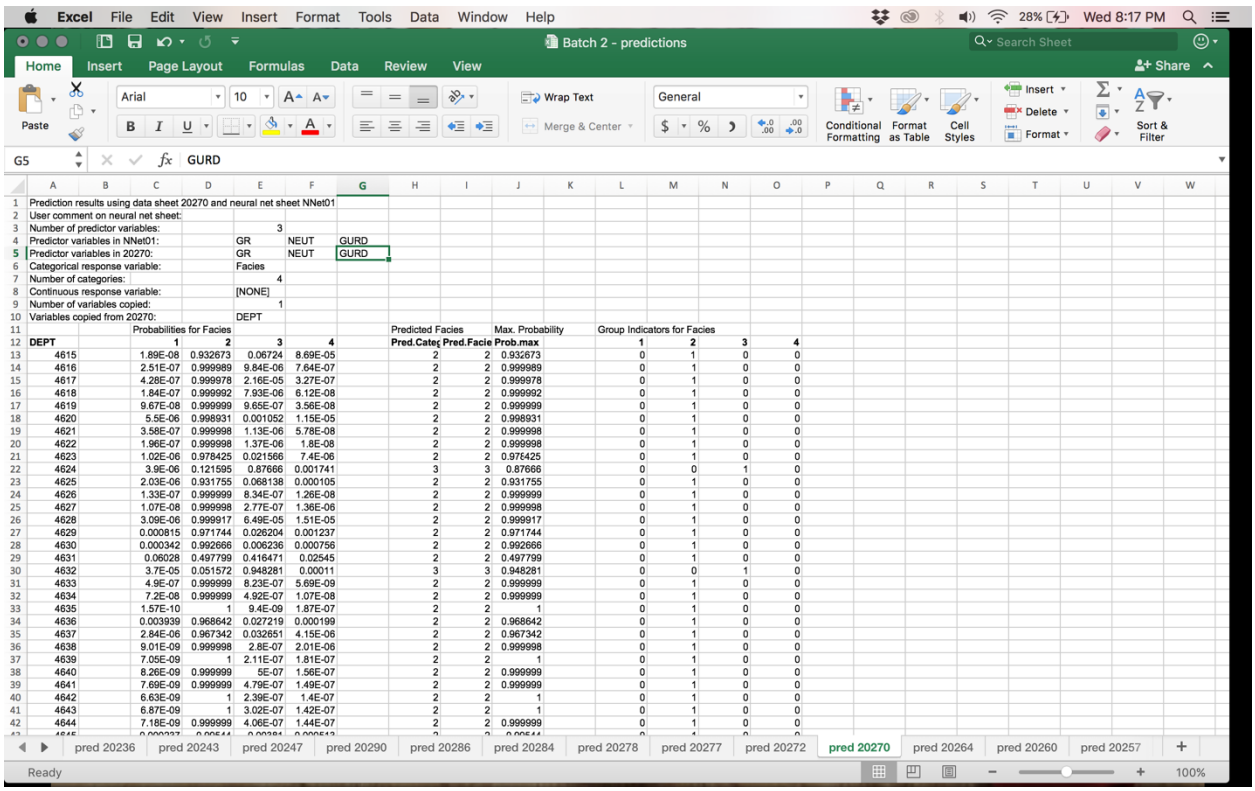


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20272 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20272:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20272:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4610		3.24E-05	0.188189	0.811444	0.000335		3	3	0.811444		0	0	1	0								
14	4611		1.92E-05	0.000631	0.999346	4.31E-06		3	3	0.999346		0	0	1	0								
15	4612		3.34E-05	0.006796	0.993136	3.41E-05		3	3	0.993136		0	0	1	0								
16	4613		2.51E-05	0.006992	0.992955	2.81E-05		3	3	0.992955		0	0	1	0								
17	4614		1.4E-05	0.814803	0.184485	0.000699		2	2	0.814803		0	1	0	0								
18	4615		0.026644	0.049832	0.909658	0.013865		3	3	0.909658		0	0	1	0								
19	4616		0.286241	0.544381	0.15082	0.018557		2	2	0.544381		0	1	0	0								
20	4617		2.71E-05	0.035901	0.052311	0.911761		4	4	0.911761		0	0	0	1								
21	4618		1.15E-07	0.999999	7.56E-07	2.11E-08		2	2	0.999999		0	1	0	0								
22	4619		5.16E-08	0.999999	1.06E-06	6.11E-08		2	2	0.999999		0	1	0	0								
23	4620		1.59E-09	0.999997	4.24E-08	2.77E-06		2	2	0.999997		0	1	0	0								
24	4621		6.01E-11	1	3.76E-09	1.75E-07		2	2	1		0	1	0	0								
25	4622		1.18E-10	1	6.46E-09	2.34E-07		2	2	1		0	1	0	0								
26	4623		1.15E-08	0.999998	5.35E-07	1.38E-06		2	2	0.999998		0	1	0	0								
27	4624		1.15E-08	0.999998	5.27E-07	1.47E-06		2	2	0.999998		0	1	0	0								
28	4625		1.18E-08	0.999998	9.71E-07	6.04E-07		2	2	0.999998		0	1	0	0								
29	4626		1.23E-08	0.999998	5.38E-07	1.85E-06		2	2	0.999998		0	1	0	0								
30	4627		6.83E-09	0.999996	1.96E-07	4.22E-06		2	2	0.999996		0	1	0	0								
31	4628		1.39E-08	0.999993	5.36E-07	6.37E-06		2	2	0.999993		0	1	0	0								
32	4629		0.000241	0.983056	0.014737	0.001966		2	2	0.983056		0	1	0	0								
33	4630		9.41E-06	0.999615	0.000285	9.03E-05		2	2	0.999615		0	1	0	0								
34	4631		4.62E-07	0.999961	2.77E-05	1.12E-05		2	2	0.999961		0	1	0	0								
35	4632		3.76E-06	0.999762	0.000148	8.64E-05		2	2	0.999762		0	1	0	0								
36	4633		1.18E-05	0.997668	0.001479	0.000841		2	2	0.997668		0	1	0	0								
37	4634		9.36E-09	0.999991	3.59E-07	8.21E-06		2	2	0.999991		0	1	0	0								
38	4635		0.000102	0.492333	0.479123	0.028442		2	2	0.492333		0	1	0	0								
39	4636		6.63E-05	0.07444	0.258171	0.667322		4	4	0.667322		0	0	0	1								
40	4637		1.65E-05	0.026197	0.011287	0.9625		4	4	0.9625		0	0	0	1								
41	4638		0.004123	0.290071	0.108608	0.597198		4	4	0.597198		0	0	0	1								
42	4639		0.000163	0.096097	0.042526	0.861214		4	4	0.861214		0	0	0	1								

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | **pred 20272** | pred 20270 | pred 20264 | pred 20260 | pred 20257

Ready

20270

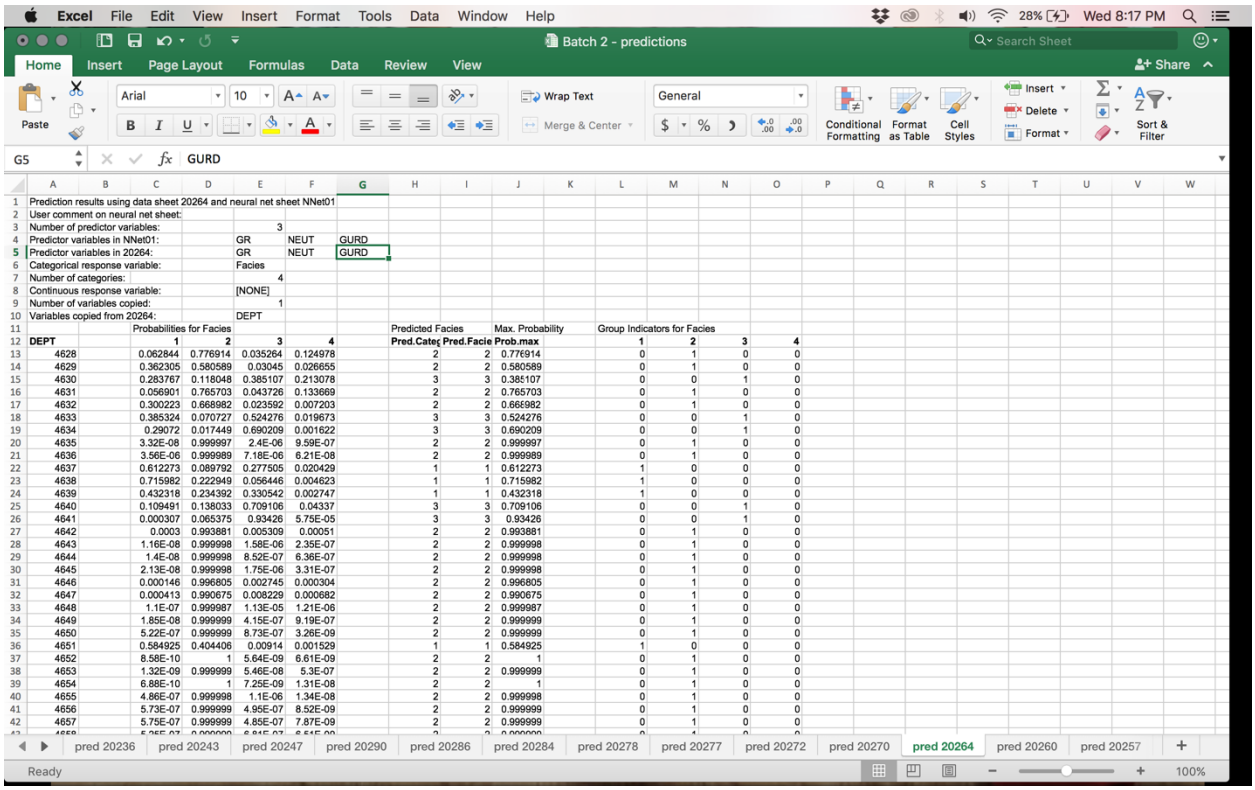


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20270 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20270:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20270:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4615		1.89E-08	0.932673	0.06724	8.69E-05		2	2	0.932673		0	1	0	0								
14	4616		2.51E-07	0.999989	9.84E-06	7.64E-07		2	2	0.999989		0	1	0	0								
15	4617		4.28E-07	0.999978	2.16E-05	3.27E-07		2	2	0.999978		0	1	0	0								
16	4618		1.84E-07	0.999992	7.93E-06	6.12E-08		2	2	0.999992		0	1	0	0								
17	4619		9.67E-08	0.999999	9.65E-07	3.56E-08		2	2	0.999999		0	1	0	0								
18	4620		5.5E-06	0.998931	0.001052	1.15E-05		2	2	0.998931		0	1	0	0								
19	4621		3.58E-07	0.999998	1.13E-06	5.78E-08		2	2	0.999998		0	1	0	0								
20	4622		1.96E-07	0.999998	1.37E-06	1.8E-08		2	2	0.999998		0	1	0	0								
21	4623		1.02E-06	0.978425	0.021566	7.4E-06		2	2	0.976425		0	1	0	0								
22	4624		3.9E-06	0.121595	0.87666	0.001741		3	3	0.87666		0	0	1	0								
23	4625		2.03E-06	0.931755	0.068138	0.000105		2	2	0.931755		0	1	0	0								
24	4626		1.33E-07	0.999999	8.34E-07	1.26E-08		2	2	0.999999		0	1	0	0								
25	4627		1.07E-08	0.999998	2.77E-07	1.36E-06		2	2	0.999998		0	1	0	0								
26	4628		3.09E-06	0.999917	6.49E-05	1.51E-05		2	2	0.999917		0	1	0	0								
27	4629		0.000815	0.971744	0.026204	0.001237		2	2	0.971744		0	1	0	0								
28	4630		0.000342	0.992666	0.006236	0.000756		2	2	0.992666		0	1	0	0								
29	4631		0.06028	0.497799	0.416471	0.02545		2	2	0.497799		0	1	0	0								
30	4632		3.7E-05	0.051572	0.948281	0.00011		3	3	0.948281		0	0	1	0								
31	4633		4.9E-07	0.999999	8.23E-07	5.69E-09		2	2	0.999999		0	1	0	0								
32	4634		7.2E-08	0.999999	4.92E-07	1.07E-08		2	2	0.999999		0	1	0	0								
33	4635		1.57E-10	1	9.4E-09	1.87E-07		2	2	1		0	1	0	0								
34	4636		0.003939	0.968642	0.027219	0.000199		2	2	0.968642		0	1	0	0								
35	4637		2.84E-06	0.967342	0.032651	4.15E-06		2	2	0.967342		0	1	0	0								
36	4638		9.01E-09	0.999998	2.8E-07	2.01E-06		2	2	0.999998		0	1	0	0								
37	4639		7.05E-09	1	2.11E-07	1.81E-07		2	2	1		0	1	0	0								
38	4640		8.26E-09	0.999999	5E-07	1.56E-07		2	2	0.999999		0	1	0	0								
39	4641		7.69E-09	0.999999	4.79E-07	1.49E-07		2	2	0.999999		0	1	0	0								
40	4642		6.63E-09	1	2.39E-07	1.4E-07		2	2	1		0	1	0	0								
41	4643		6.87E-09	1	3.02E-07	1.42E-07		2	2	1		0	1	0	0								
42	4644		7.18E-09	0.999999	4.06E-07	1.44E-07		2	2	0.999999		0	1	0	0								

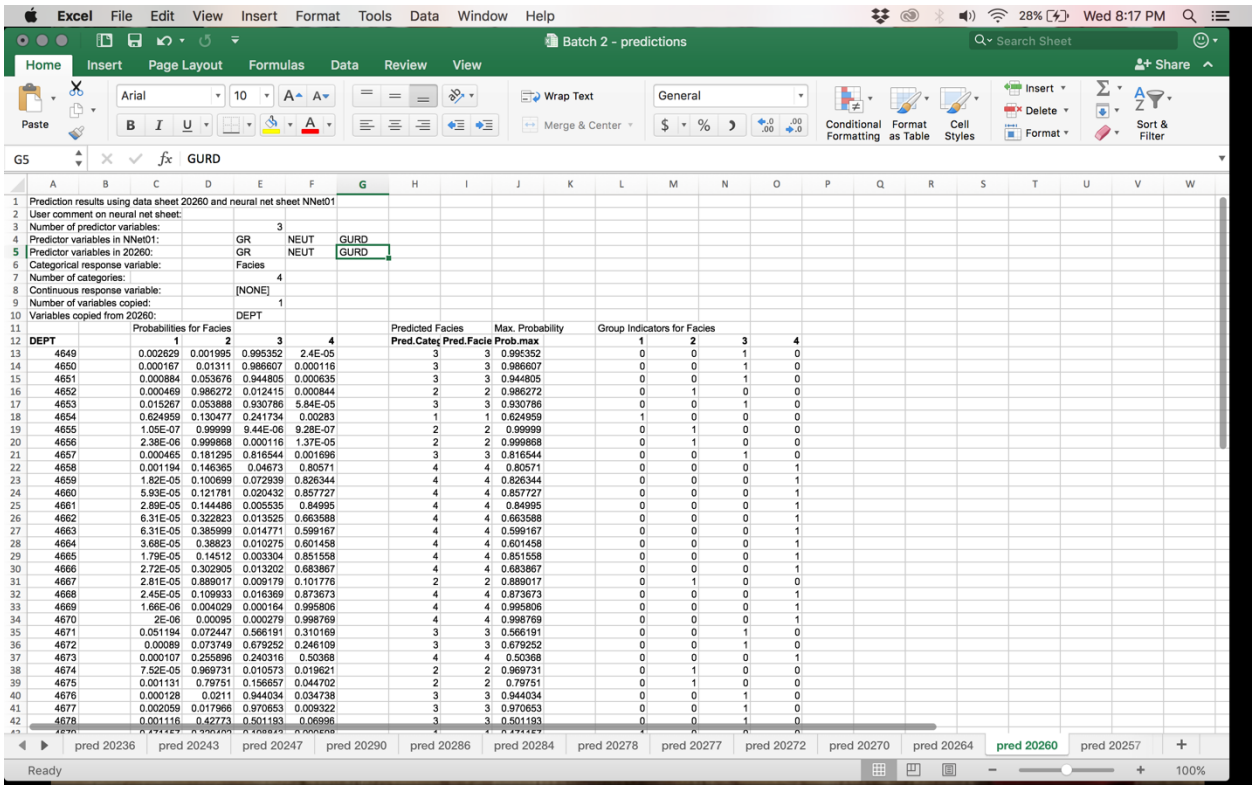
pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | **pred 20270** | pred 20264 | pred 20260 | pred 20257

Ready

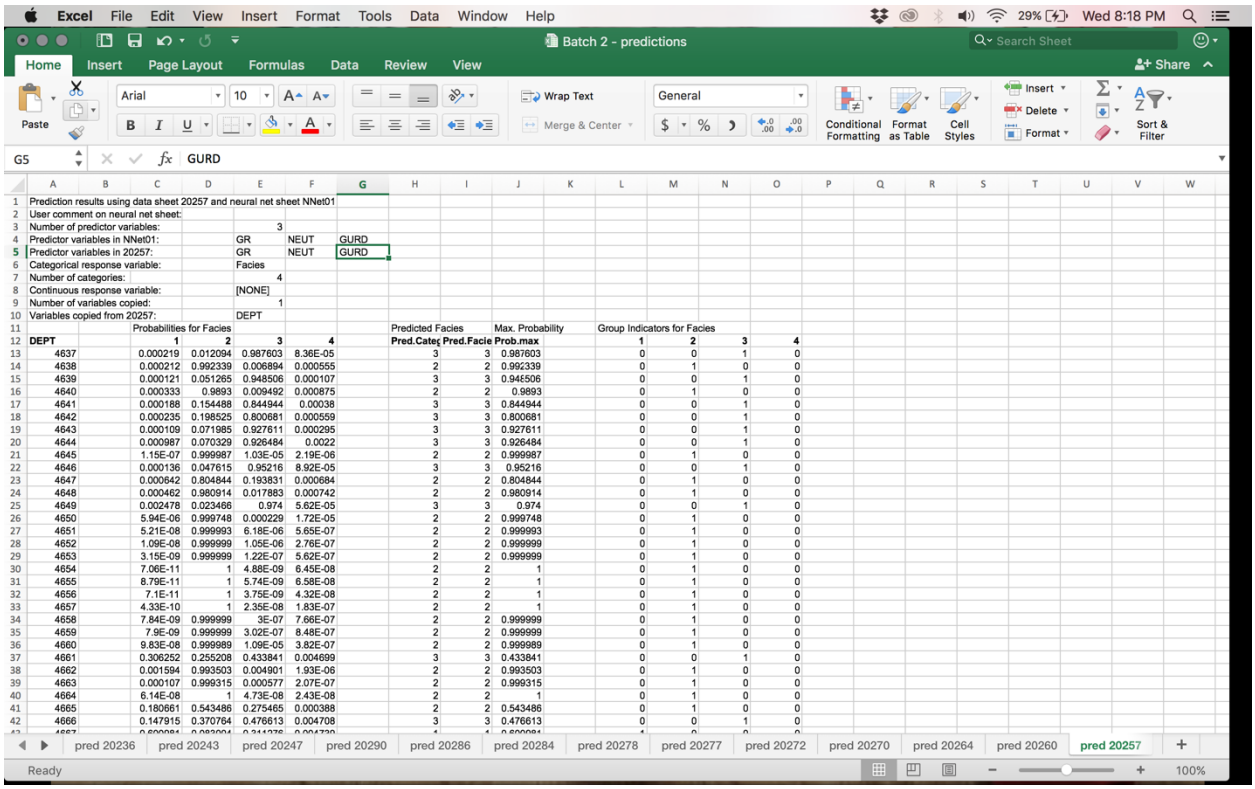
20264


Batch 2 - predictions
Prediction results using data sheet 20264 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20264: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20264: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4628 0.062844 0.776914 0.035264 0.124978 2 2 0.776914 0 1 0 0
4629 0.362305 0.580589 0.03045 0.026655 2 2 0.580589 0 1 0 0
4630 0.283767 0.118048 0.385107 0.213078 3 3 0.385107 0 0 1 0
4631 0.056901 0.765703 0.043726 0.133669 2 2 0.765703 0 1 0 0
4632 0.300223 0.668982 0.023592 0.007203 2 2 0.668982 0 1 0 0
4633 0.385324 0.070727 0.524276 0.019673 3 3 0.524276 0 0 1 0
4634 0.29072 0.017449 0.690209 0.001622 3 3 0.690209 0 0 1 0
4635 3.32E-08 0.999997 2.4E-06 9.59E-07 2 2 0.999997 0 1 0 0
4636 3.56E-06 0.999989 7.18E-06 6.21E-08 2 2 0.999989 0 1 0 0
4637 0.612273 0.089792 0.277505 0.020429 1 1 0.612273 1 0 0 0
4638 0.715982 0.222949 0.056446 0.004623 1 1 0.715982 1 0 0 0
4639 0.432318 0.234392 0.330542 0.002747 1 1 0.432318 1 0 0 0
4640 0.109491 0.138033 0.709106 0.04337 3 3 0.709106 0 0 1 0
4641 0.000307 0.065375 0.93426 5.75E-05 3 3 0.93426 0 0 1 0
4642 0.0003 0.993881 0.005309 0.00051 2 2 0.993881 0 1 0 0
4643 1.16E-08 0.999998 1.58E-06 2.35E-07 2 2 0.999998 0 1 0 0
4644 1.4E-08 0.999998 8.52E-07 6.36E-07 2 2 0.999998 0 1 0 0
4645 2.13E-08 0.999998 1.75E-06 3.31E-07 2 2 0.999998 0 1 0 0
4646 0.000146 0.996805 0.002745 0.000304 2 2 0.996805 0 1 0 0
4647 0.000413 0.990675 0.008229 0.000682 2 2 0.990675 0 1 0 0
4648 1.1E-07 0.999987 1.13E-05 1.21E-06 2 2 0.999987 0 1 0 0
4649 1.85E-08 0.999999 4.15E-07 9.19E-07 2 2 0.999999 0 1 0 0
4650 5.22E-07 0.999999 8.73E-07 3.26E-09 2 2 0.999999 0 1 0 0
4651 0.584925 0.404406 0.00914 0.001529 1 1 0.584925 1 0 0 0
4652 8.58E-10 1 5.64E-09 6.61E-09 2 2 1 0 1 0 0
4653 1.32E-09 0.999999 5.46E-08 5.3E-07 2 2 0.999999 0 1 0 0
4654 6.88E-10 1 7.25E-09 1.31E-08 2 2 1 0 1 0 0
4655 4.86E-07 0.999998 1.1E-06 1.34E-08 2 2 0.999998 0 1 0 0
4656 5.73E-07 0.999999 4.95E-07 8.52E-09 2 2 0.999999 0 1 0 0
4657 5.75E-07 0.999999 4.85E-07 7.87E-09 2 2 0.999999 0 1 0 0
pred 20236 pred 20243 pred 20247 pred 20290 pred 20286 pred 20284 pred 20278 pred 20277 pred 20272 pred 20270 pred 20264 pred 20260 pred 20257
Ready
100%

20260


Batch 2 - predictions
Prediction results using data sheet 20260 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20260: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20260: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4649 0.002629 0.001995 0.995352 2.4E-05 3 3 0.995352 0 0 1 0
4650 0.000167 0.01311 0.986607 0.000116 3 3 0.986607 0 0 1 0
4651 0.000884 0.053676 0.944805 0.000635 3 3 0.944805 0 0 1 0
4652 0.000469 0.986272 0.012415 0.000844 2 2 0.986272 0 1 0 0
4653 0.015267 0.053888 0.930786 5.84E-05 3 3 0.930786 0 0 1 0
4654 0.624959 0.130477 0.241734 0.00283 1 1 0.624959 1 0 0 0
4655 1.05E-07 0.99999 9.44E-06 9.28E-07 2 2 0.99999 0 1 0 0
4656 2.38E-06 0.999868 0.000116 1.37E-05 2 2 0.999868 0 1 0 0
4657 0.000465 0.181295 0.816544 0.001696 3 3 0.816544 0 0 1 0
4658 0.001194 0.146365 0.04673 0.80571 4 4 0.80571 0 0 0 1
4659 1.82E-05 0.100699 0.072939 0.826344 4 4 0.826344 0 0 0 1
4660 5.93E-05 0.121781 0.020432 0.857727 4 4 0.857727 0 0 0 1
4661 2.89E-05 0.144486 0.005535 0.84995 4 4 0.84995 0 0 0 1
4662 6.31E-05 0.322823 0.013525 0.663588 4 4 0.663588 0 0 0 1
4663 6.31E-05 0.385999 0.014771 0.599167 4 4 0.599167 0 0 0 1
4664 3.68E-05 0.38823 0.010275 0.601458 4 4 0.601458 0 0 0 1
4665 1.79E-05 0.14512 0.003304 0.851558 4 4 0.851558 0 0 0 1
4666 2.72E-05 0.302905 0.013202 0.683867 4 4 0.683867 0 0 0 1
4667 2.81E-05 0.889017 0.009179 0.101776 2 2 0.889017 0 1 0 0
4668 2.45E-05 0.109933 0.016369 0.873673 4 4 0.873673 0 0 0 1
4669 1.66E-06 0.004029 0.000164 0.995806 4 4 0.995806 0 0 0 1
4670 2E-06 0.00095 0.000279 0.998769 4 4 0.998769 0 0 0 1
4671 0.051194 0.072447 0.566191 0.310169 3 3 0.566191 0 0 1 0
4672 0.00089 0.073749 0.679252 0.246109 3 3 0.679252 0 0 1 0
4673 0.000107 0.255896 0.240316 0.50368 4 4 0.50368 0 0 0 1
4674 7.52E-05 0.969731 0.010573 0.019621 2 2 0.969731 0 1 0 0
4675 0.001131 0.79751 0.156657 0.044702 2 2 0.79751 0 1 0 0
4676 0.000128 0.0211 0.944034 0.034738 3 3 0.944034 0 0 1 0
4677 0.002059 0.017966 0.970653 0.009322 3 3 0.970653 0 0 1 0
4678 0.001116 0.42773 0.501193 0.06996 3 3 0.501193 0 0 1 0
pred 20236 pred 20243 pred 20247 pred 20290 pred 20286 pred 20284 pred 20278 pred 20277 pred 20272 pred 20270 pred 20264 pred 20260 pred 20257
Ready

20257

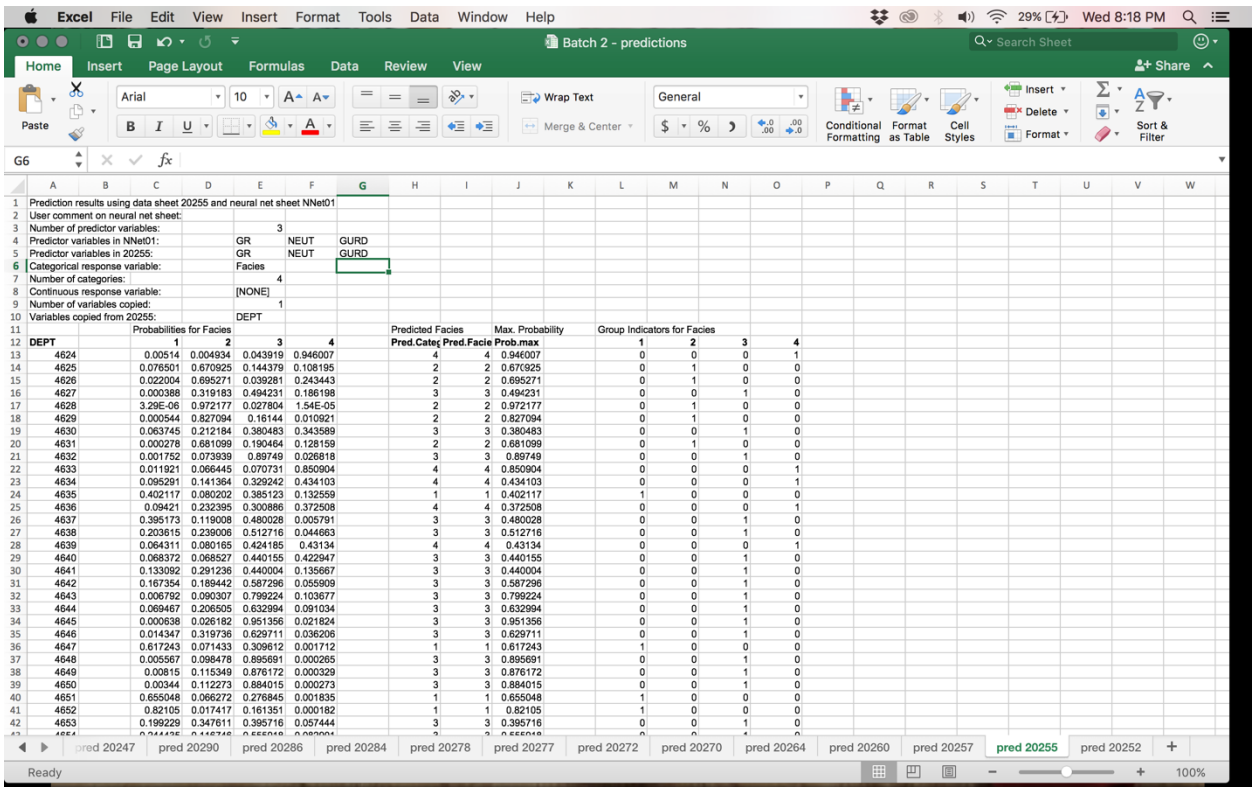


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20257 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20257:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20257:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4637		0.000219	0.012094	0.987603	8.36E-05		3	3	0.987603		0	0	1	0								
14	4638		0.000212	0.992339	0.006894	0.000555		2	2	0.992339		0	1	0	0								
15	4639		0.000121	0.051265	0.948506	0.000107		3	3	0.948506		0	0	1	0								
16	4640		0.000333	0.9893	0.009492	0.000875		2	2	0.9893		0	1	0	0								
17	4641		0.000188	0.154488	0.844944	0.00038		3	3	0.844944		0	0	1	0								
18	4642		0.000235	0.198525	0.800681	0.000559		3	3	0.800681		0	0	1	0								
19	4643		0.000109	0.071985	0.927611	0.000295		3	3	0.927611		0	0	1	0								
20	4644		0.000987	0.070329	0.926484	0.0022		3	3	0.926484		0	0	1	0								
21	4645		1.15E-07	0.999987	1.03E-05	2.19E-06		2	2	0.999987		0	1	0	0								
22	4646		0.000136	0.047615	0.95216	8.92E-05		3	3	0.95216		0	0	1	0								
23	4647		0.000642	0.804844	0.193831	0.000684		2	2	0.804844		0	1	0	0								
24	4648		0.000462	0.980914	0.017883	0.000742		2	2	0.980914		0	1	0	0								
25	4649		0.002478	0.023466	0.974	5.62E-05		3	3	0.974		0	0	1	0								
26	4650		5.94E-06	0.999748	0.000229	1.72E-05		2	2	0.999748		0	1	0	0								
27	4651		5.21E-08	0.999993	6.18E-06	5.65E-07		2	2	0.999993		0	1	0	0								
28	4652		1.09E-08	0.999999	1.05E-06	2.76E-07		2	2	0.999999		0	1	0	0								
29	4653		3.15E-09	0.999999	1.22E-07	5.62E-07		2	2	0.999999		0	1	0	0								
30	4654		7.06E-11	1	4.88E-09	6.45E-08		2	2	1		0	1	0	0								
31	4655		8.79E-11	1	5.74E-09	8.58E-08		2	2	1		0	1	0	0								
32	4656		7.1E-11	1	3.75E-09	4.32E-08		2	2	1		0	1	0	0								
33	4657		4.33E-10	1	2.35E-08	1.83E-07		2	2	1		0	1	0	0								
34	4658		7.84E-09	0.999999	3E-07	7.66E-07		2	2	0.999999		0	1	0	0								
35	4659		7.9E-09	0.999999	3.02E-07	8.48E-07		2	2	0.999999		0	1	0	0								
36	4660		9.83E-08	0.999989	1.09E-05	3.82E-07		2	2	0.999989		0	1	0	0								
37	4661		0.306252	0.255208	0.433841	0.004699		3	3	0.433841		0	0	1	0								
38	4662		0.001594	0.993503	0.004901	1.93E-06		2	2	0.993503		0	1	0	0								
39	4663		0.000107	0.999315	0.000577	2.07E-07		2	2	0.999315		0	1	0	0								
40	4664		6.14E-08	1	4.73E-08	2.43E-08		2	2	1		0	1	0	0								
41	4665		0.180661	0.543486	0.275465	0.000388		2	2	0.543486		0	1	0	0								
42	4666		0.147915	0.370764	0.476613	0.004708		3	3	0.476613		0	0	1	0								

pred 20236 | pred 20243 | pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257

Ready

20255

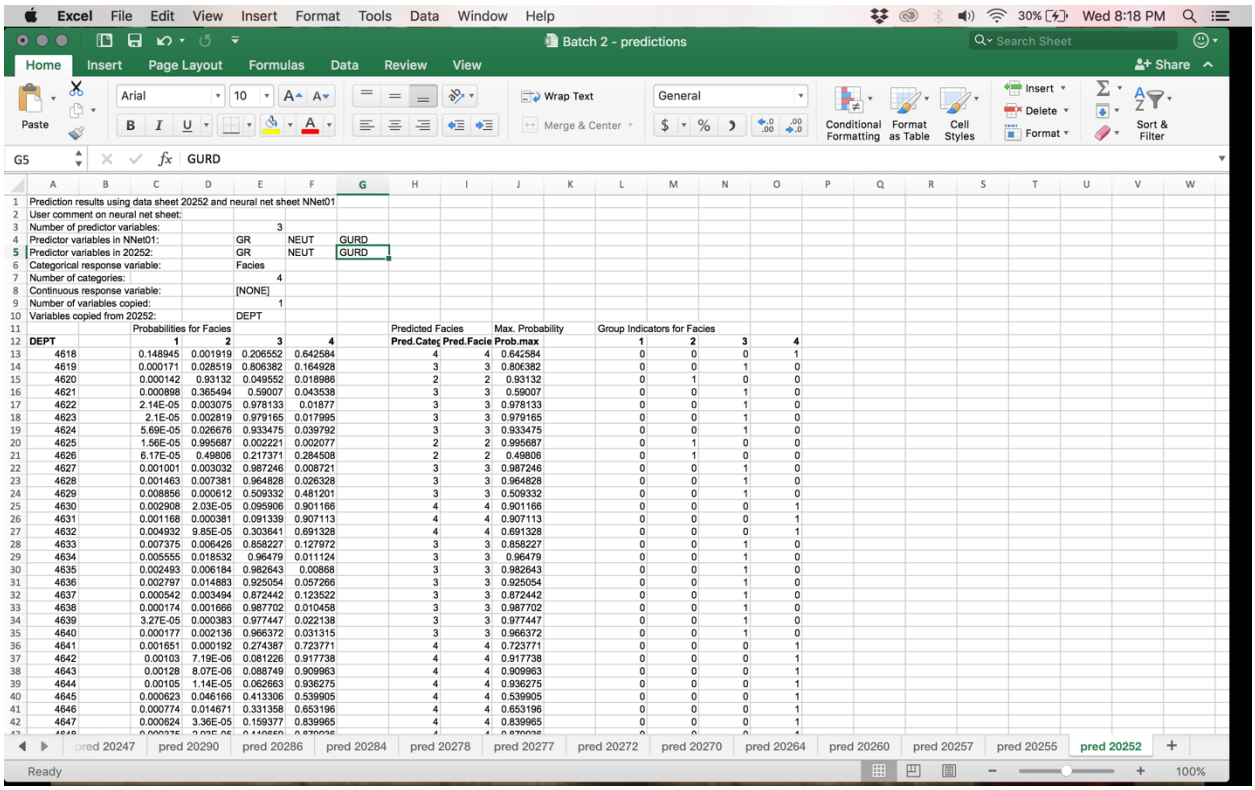


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20255 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20255:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20255:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4624		0.00514	0.004934	0.043919	0.946007		4	4	0.946007		0	0	0	1								
14	4625		0.076501	0.670925	0.144379	0.108195		2	2	0.670925		0	1	0	0								
15	4626		0.022004	0.695271	0.039281	0.243443		2	2	0.695271		0	1	0	0								
16	4627		0.000388	0.319183	0.494231	0.186198		3	3	0.494231		0	0	1	0								
17	4628		3.29E-06	0.972177	0.027804	1.54E-05		2	2	0.972177		0	1	0	0								
18	4629		0.000544	0.827094	0.16144	0.010921		2	2	0.827094		0	1	0	0								
19	4630		0.063745	0.212184	0.380483	0.343589		3	3	0.380483		0	0	1	0								
20	4631		0.000278	0.681099	0.190464	0.128159		2	2	0.681099		0	1	0	0								
21	4632		0.001752	0.073939	0.89749	0.026818		3	3	0.89749		0	0	1	0								
22	4633		0.011921	0.066445	0.070731	0.850904		4	4	0.850904		0	0	0	1								
23	4634		0.095291	0.141364	0.329242	0.434103		4	4	0.434103		0	0	0	1								
24	4635		0.402117	0.080202	0.385123	0.132559		1	1	0.402117		1	0	0	0								
25	4636		0.09421	0.232395	0.300886	0.372508		4	4	0.372508		0	0	0	1								
26	4637		0.395173	0.119008	0.480028	0.005791		3	3	0.480028		0	0	1	0								
27	4638		0.203615	0.239006	0.512716	0.044663		3	3	0.512716		0	0	1	0								
28	4639		0.064311	0.080165	0.424185	0.43134		4	4	0.43134		0	0	0	1								
29	4640		0.068372	0.068527	0.440155	0.422947		3	3	0.440155		0	0	1	0								
30	4641		0.133092	0.291236	0.440004	0.135667		3	3	0.440004		0	0	1	0								
31	4642		0.167354	0.189442	0.587296	0.055909		3	3	0.587296		0	0	1	0								
32	4643		0.006792	0.090307	0.799224	0.103677		3	3	0.799224		0	0	1	0								
33	4644		0.069467	0.206505	0.632994	0.091034		3	3	0.632994		0	0	1	0								
34	4645		0.000638	0.026182	0.951356	0.021824		3	3	0.951356		0	0	1	0								
35	4646		0.014347	0.319736	0.629711	0.036206		3	3	0.629711		0	0	1	0								
36	4647		0.617243	0.071433	0.309612	0.001712		1	1	0.617243		1	0	0	0								
37	4648		0.005567	0.098478	0.895691	0.000265		3	3	0.895691		0	0	1	0								
38	4649		0.00815	0.115349	0.876172	0.000329		3	3	0.876172		0	0	1	0								
39	4650		0.00344	0.112273	0.884015	0.000273		3	3	0.884015		0	0	1	0								
40	4651		0.655048	0.066272	0.276845	0.001835		1	1	0.655048		1	0	0	0								
41	4652		0.82105	0.017417	0.161351	0.000182		1	1	0.82105		1	0	0	0								
42	4653		0.199229	0.347611	0.395716	0.057444		3	3	0.395716		0	0	1	0								

pred 20247 | pred 20290 | pred 20286 | pred 20284 | pred 20278 | pred 20277 | pred 20272 | pred 20270 | pred 20264 | pred 20260 | pred 20257 | pred 20255 | pred 20252

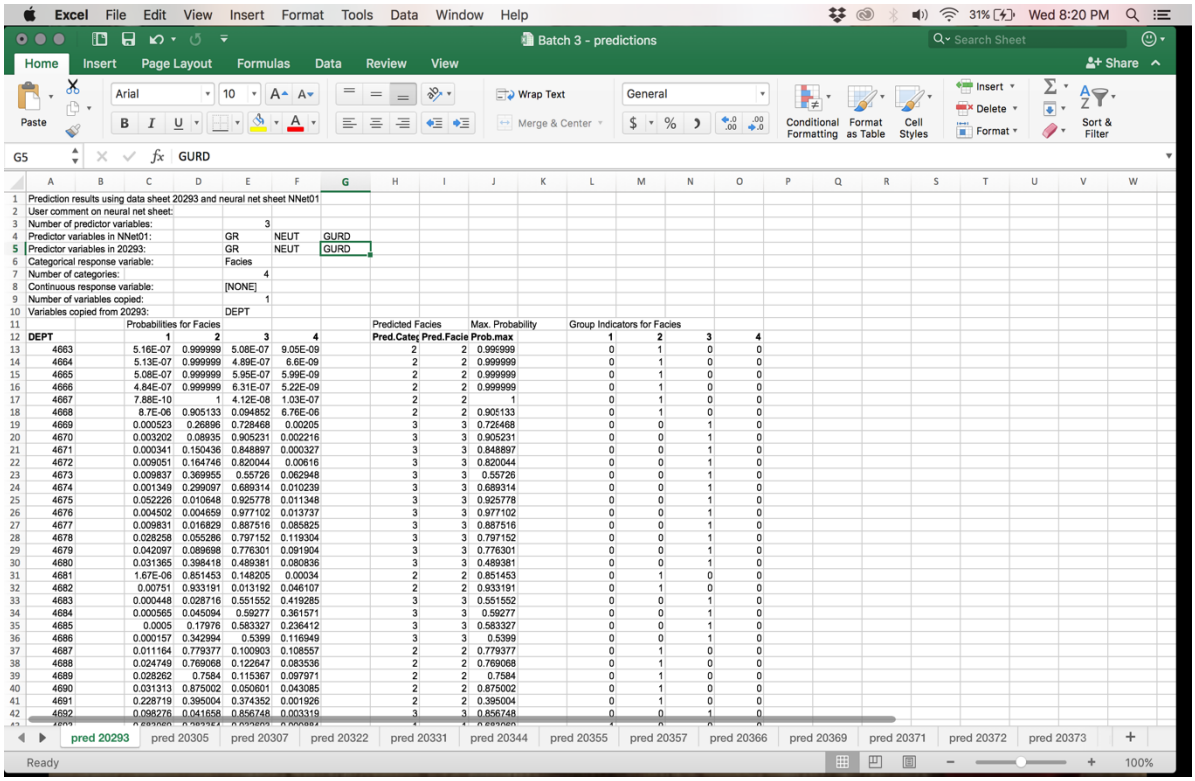
Ready

20252



Batch 3

20293



Batch 3 - predictions

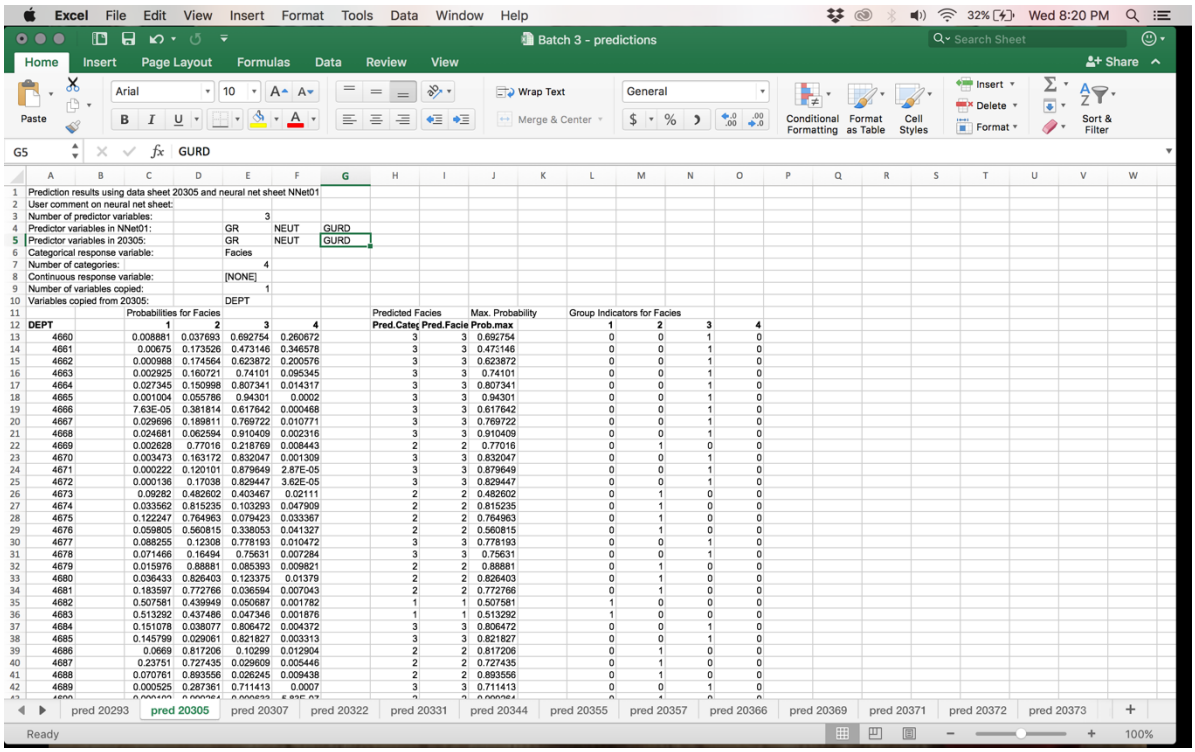
	A	B	C	D	E	F	G
1	Prediction results using data sheet 20293 and neural net sheet NNet01						
2	User comment on neural net sheet:						
3	Number of predictor variables:				3		
4	Predictor variables in NNet01:				GR	NEUT	GURD
5	Predictor variables in 20293:				GR	NEUT	GURD
6	Categorical response variable:				Facies		
7	Number of categories:				4		
8	Continuous response variable:				[NONE]		
9	Number of variables copied:				1		
10	Variables copied from 20293:				DEPT		
11			Probabilities for Facies				
12	DEPT		1	2	3	4	
13	4663		5.16E-07	0.999999	5.08E-07	9.05E-09	
14	4664		5.13E-07	0.999999	4.89E-07	6.6E-09	
15	4665		5.08E-07	0.999999	5.95E-07	5.99E-09	
16	4666		4.84E-07	0.999999	6.31E-07	5.22E-09	
17	4667		7.88E-10	1	4.12E-08	1.03E-07	
18	4668		8.7E-06	0.905133	0.094852	6.76E-06	
19	4669		0.000523	0.26896	0.728468	0.00205	
20	4670		0.003202	0.08935	0.905231	0.002216	
21	4671		0.000341	0.150436	0.848897	0.000327	
22	4672		0.009051	0.164746	0.820044	0.00616	
23	4673		0.009837	0.369955	0.55726	0.062948	
24	4674		0.001349	0.299097	0.689314	0.010239	
25	4675		0.052226	0.010648	0.925778	0.011348	
26	4676		0.004502	0.004659	0.977102	0.013737	
27	4677		0.009831	0.016829	0.887516	0.085825	
28	4678		0.028258	0.055286	0.797152	0.119304	
29	4679		0.042097	0.089698	0.776301	0.091904	
30	4680		0.031365	0.398418	0.489381	0.080836	
31	4681		1.67E-06	0.851453	0.148205	0.00034	
32	4682		0.00751	0.933191	0.013192	0.046107	
33	4683		0.000448	0.028716	0.551552	0.419285	
34	4684		0.000565	0.045094	0.59277	0.361571	
35	4685		0.0005	0.17976	0.583327	0.236412	
36	4686		0.000157	0.342994	0.5399	0.116949	
37	4687		0.011164	0.779377	0.100903	0.108557	
38	4688		0.024749	0.769068	0.122647	0.083536	
39	4689		0.028262	0.7584	0.115367	0.097971	
40	4690		0.031313	0.875002	0.050601	0.043085	
41	4691		0.228719	0.395004	0.374352	0.001926	
42	4692		0.098276	0.041658	0.856748	0.003319	

	H	I	J	K	L	M	N	O
11	Predicted Facies		Max. Probability		Group Indicators for Facies			
12	Pred.Categ	Pred.Facie	Prob.max		1	2	3	4
13	2	2	0.999999		0	1	0	0
14	2	2	0.999999		0	1	0	0
15	2	2	0.999999		0	1	0	0
16	2	2	0.999999		0	1	0	0
17	2	2	1		0	1	0	0
18	2	2	0.905133		0	1	0	0
19	3	3	0.726468		0	0	1	0
20	3	3	0.905231		0	0	1	0
21	3	3	0.848897		0	0	1	0
22	3	3	0.820044		0	0	1	0
23	3	3	0.55726		0	0	1	0
24	3	3	0.689314		0	0	1	0
25	3	3	0.925778		0	0	1	0
26	3	3	0.977102		0	0	1	0
27	3	3	0.887516		0	0	1	0
28	3	3	0.797152		0	0	1	0
29	3	3	0.776301		0	0	1	0
30	3	3	0.489381		0	0	1	0
31	2	2	0.851453		0	1	0	0
32	2	2	0.933191		0	1	0	0
33	3	3	0.551552		0	0	1	0
34	3	3	0.59277		0	0	1	0
35	3	3	0.583327		0	0	1	0
36	3	3	0.5399		0	0	1	0
37	2	2	0.779377		0	1	0	0
38	2	2	0.769068		0	1	0	0
39	2	2	0.7584		0	1	0	0
40	2	2	0.875002		0	1	0	0
41	2	2	0.395004		0	1	0	0
42	3	3	0.856748		0	0	1	0

pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | pred 20355 | pred 20357 | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

Ready

20305



Batch 3 - predictions

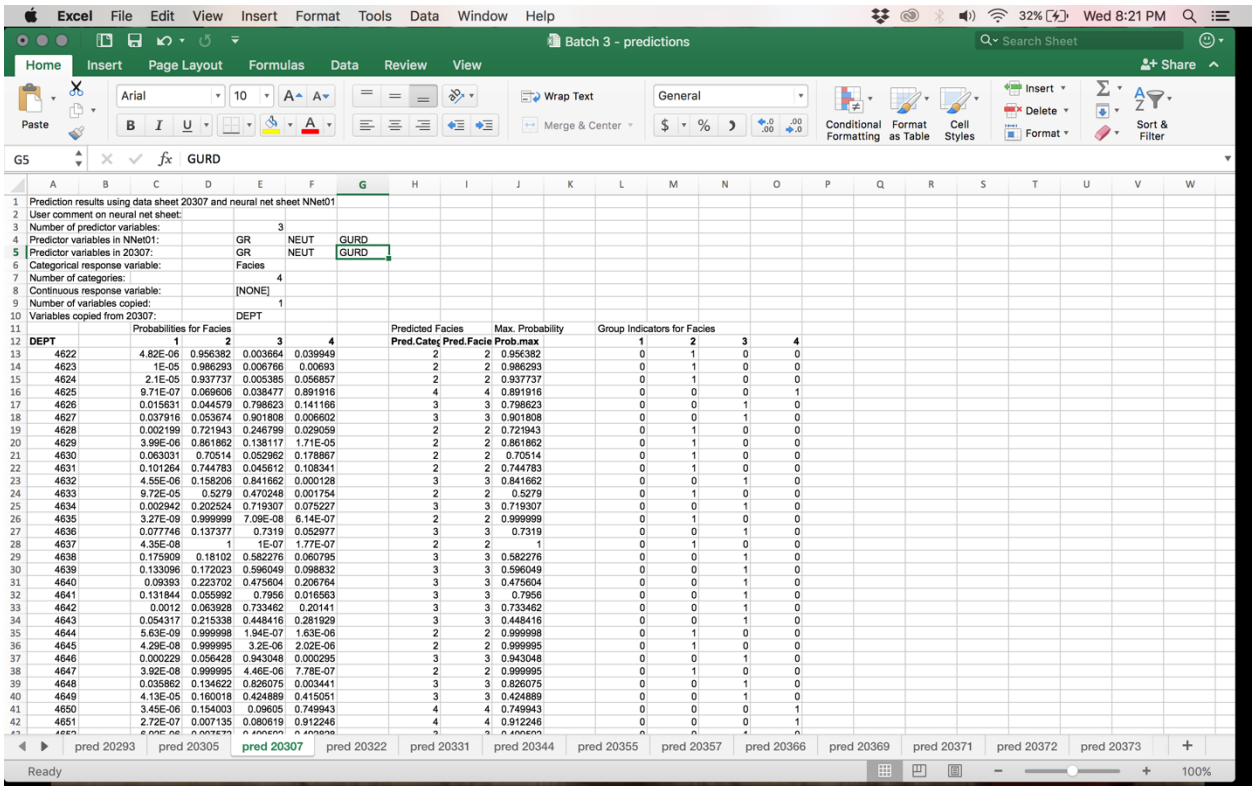
	A	B	C	D	E	F	G
1	Prediction results using data sheet 20305 and neural net sheet NNet01						
2	User comment on neural net sheet:						
3	Number of predictor variables:				3		
4	Predictor variables in NNet01:				GR	NEUT	GURD
5	Predictor variables in 20305:				GR	NEUT	GURD
6	Categorical response variable:				Facies		
7	Number of categories:				4		
8	Continuous response variable:				[NONE]		
9	Number of variables copied:				1		
10	Variables copied from 20305:				DEPT		
11			Probabilities for Facies				
12	DEPT		1	2	3	4	
13	4660		0.008881	0.037693	0.692754	0.260672	
14	4661		0.00675	0.173526	0.473146	0.346578	
15	4662		0.000988	0.174564	0.623872	0.200576	
16	4663		0.002925	0.160721	0.74101	0.095345	
17	4664		0.027345	0.150998	0.807341	0.014317	
18	4665		0.001004	0.055786	0.94301	0.0002	
19	4666		7.63E-05	0.381814	0.617642	0.000468	
20	4667		0.029696	0.189811	0.769722	0.010771	
21	4668		0.024681	0.062594	0.910409	0.002316	
22	4669		0.002628	0.77016	0.218769	0.008443	
23	4670		0.003473	0.163172	0.832047	0.001309	
24	4671		0.000222	0.120101	0.879649	2.87E-05	
25	4672		0.000136	0.17038	0.829447	3.62E-05	
26	4673		0.09282	0.482602	0.403467	0.02111	
27	4674		0.033562	0.815235	0.103293	0.047909	
28	4675		0.122247	0.764963	0.079423	0.033367	
29	4676		0.059805	0.560815	0.338053	0.041327	
30	4677		0.088255	0.12308	0.778193	0.010472	
31	4678		0.071466	0.16494	0.75631	0.007284	
32	4679		0.015976	0.88881	0.085393	0.009821	
33	4680		0.036433	0.826403	0.123375	0.01379	
34	4681		0.183597	0.772766	0.036594	0.007043	
35	4682		0.507581	0.439949	0.050687	0.001782	
36	4683		0.513292	0.437486	0.047346	0.001876	
37	4684		0.151078	0.038077	0.806472	0.004372	
38	4685		0.145799	0.029061	0.821827	0.003313	
39	4686		0.0669	0.817206	0.10299	0.012904	
40	4687		0.23751	0.727435	0.029609	0.005446	
41	4688		0.070761	0.893556	0.026245	0.009438	
42	4689		0.000525	0.287361	0.711413	0.0007	

	H	I	J	K	L	M	N	O
11	Predicted Facies		Max. Probability		Group Indicators for Facies			
12	Pred.Categ	Pred.Facie	Prob.max		1	2	3	4
13	3	3	0.692754		0	0	1	0
14	3	3	0.473146		0	0	1	0
15	3	3	0.623872		0	0	1	0
16	3	3	0.74101		0	0	1	0
17	3	3	0.807341		0	0	1	0
18	3	3	0.94301		0	0	1	0
19	3	3	0.617642		0	0	1	0
20	3	3	0.769722		0	0	1	0
21	3	3	0.910409		0	0	1	0
22	2	2	0.77016		0	1	0	0
23	3	3	0.832047		0	0	1	0
24	3	3	0.879649		0	0	1	0
25	3	3	0.829447		0	0	1	0
26	2	2	0.482602		0	1	0	0
27	2	2	0.815235		0	1	0	0
28	2	2	0.764963		0	1	0	0
29	2	2	0.560815		0	1	0	0
30	3	3	0.778193		0	0	1	0
31	3	3	0.75631		0	0	1	0
32	2	2	0.88881		0	1	0	0
33	2	2	0.826403		0	1	0	0
34	2	2	0.772766		0	1	0	0
35	1	1	0.507581		1	0	0	0
36	1	1	0.513292		1	0	0	0
37	3	3	0.806472		0	0	1	0
38	3	3	0.821827		0	0	1	0
39	2	2	0.817206		0	1	0	0
40	2	2	0.727435		0	1	0	0
41	2	2	0.893556		0	1	0	0
42	3	3	0.711413		0	0	1	0

pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | pred 20355 | pred 20357 | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

Ready

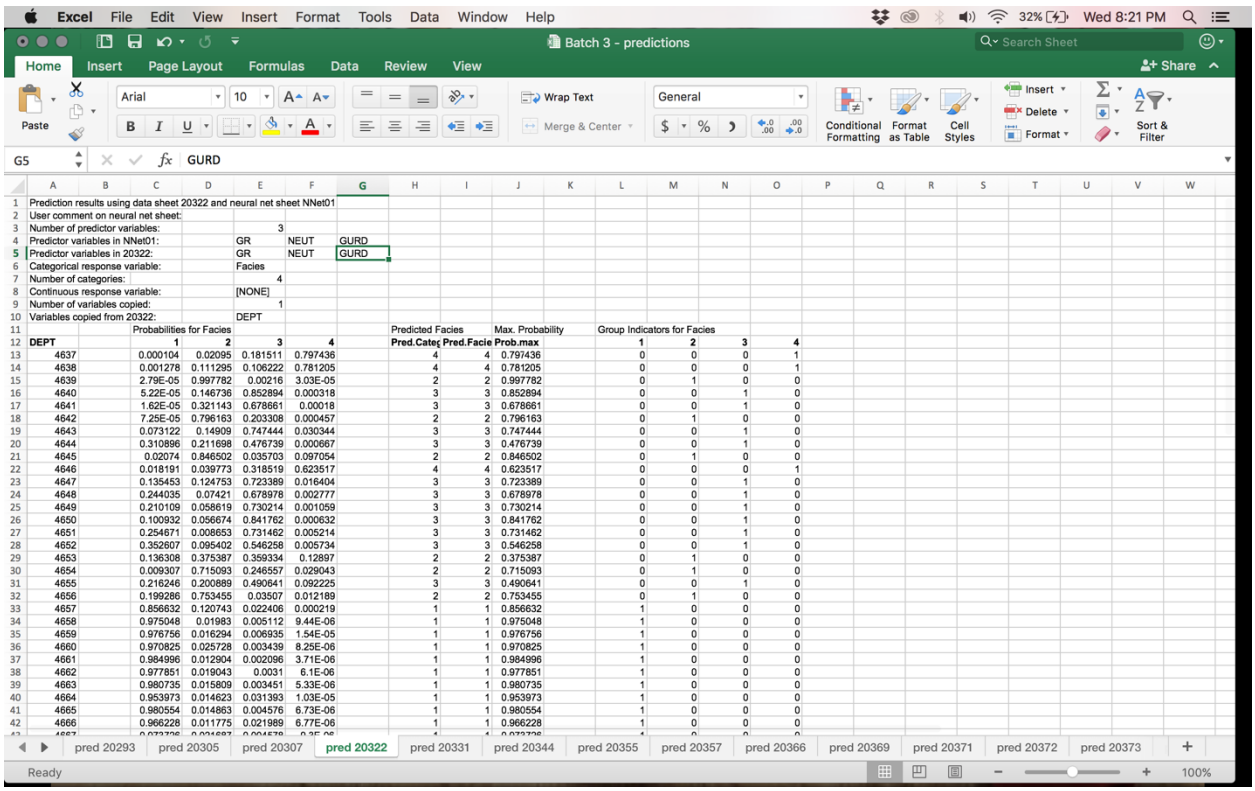
20307



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20307 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20307:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20307:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4622		4.82E-06	0.956382	0.003664	0.039949		2	2	0.95€382		0	1	0	0								
14	4623		1E-05	0.986293	0.006766	0.00693		2	2	0.986293		0	1	0	0								
15	4624		2.1E-05	0.937737	0.005385	0.056857		2	2	0.937737		0	1	0	0								
16	4625		9.71E-07	0.069606	0.038477	0.891916		4	4	0.891916		0	0	0	1								
17	4626		0.015631	0.044579	0.798623	0.141166		3	3	0.798623		0	0	1	0								
18	4627		0.037916	0.053674	0.901808	0.006602		3	3	0.901808		0	0	1	0								
19	4628		0.002199	0.721943	0.246799	0.029059		2	2	0.721943		0	1	0	0								
20	4629		3.99E-06	0.861862	0.138117	1.71E-05		2	2	0.861862		0	1	0	0								
21	4630		0.063031	0.70514	0.052962	0.178867		2	2	0.70514		0	1	0	0								
22	4631		0.101264	0.744783	0.045612	0.108341		2	2	0.744783		0	1	0	0								
23	4632		4.55E-06	0.158206	0.841662	0.000128		3	3	0.841662		0	0	1	0								
24	4633		9.72E-05	0.5279	0.470248	0.001754		2	2	0.5279		0	1	0	0								
25	4634		0.002942	0.202524	0.719307	0.075227		3	3	0.719307		0	0	1	0								
26	4635		3.27E-09	0.999999	7.09E-08	6.14E-07		2	2	0.999999		0	1	0	0								
27	4636		0.077746	0.137377	0.7319	0.052977		3	3	0.7319		0	0	1	0								
28	4637		4.35E-08	1	1E-07	1.77E-07		2	2	1		0	1	0	0								
29	4638		0.175909	0.18102	0.582276	0.060795		3	3	0.582276		0	0	1	0								
30	4639		0.133096	0.172023	0.596049	0.098832		3	3	0.596049		0	0	1	0								
31	4640		0.09393	0.223702	0.475604	0.206764		3	3	0.475604		0	0	1	0								
32	4641		0.131844	0.055992	0.7956	0.016563		3	3	0.7956		0	0	1	0								
33	4642		0.0012	0.063928	0.733462	0.20141		3	3	0.733462		0	0	1	0								
34	4643		0.054317	0.215338	0.448416	0.281929		3	3	0.448416		0	0	1	0								
35	4644		5.63E-09	0.999998	1.94E-07	1.63E-06		2	2	0.999998		0	1	0	0								
36	4645		4.29E-08	0.999995	3.2E-06	2.02E-06		2	2	0.999995		0	1	0	0								
37	4646		0.000229	0.056428	0.943048	0.000295		3	3	0.943048		0	0	1	0								
38	4647		3.92E-08	0.999995	4.46E-06	7.78E-07		2	2	0.999995		0	1	0	0								
39	4648		0.035862	0.134622	0.826075	0.003441		3	3	0.826075		0	0	1	0								
40	4649		4.13E-05	0.160018	0.424889	0.415051		3	3	0.424889		0	0	1	0								
41	4650		3.45E-06	0.154003	0.09605	0.749943		4	4	0.749943		0	0	0	1								
42	4651		2.72E-07	0.007135	0.080619	0.912246		4	4	0.912246		0	0	0	1								

pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | pred 20355 | pred 20357 | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

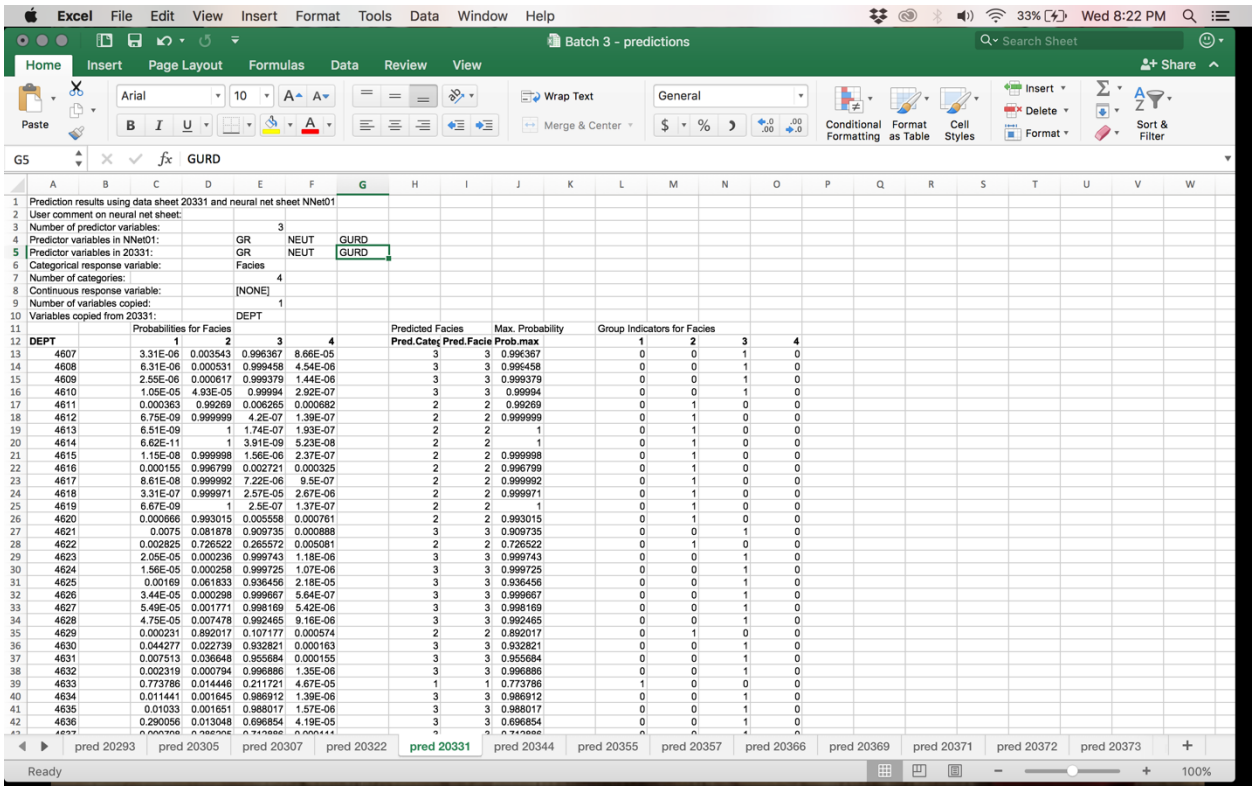
20322



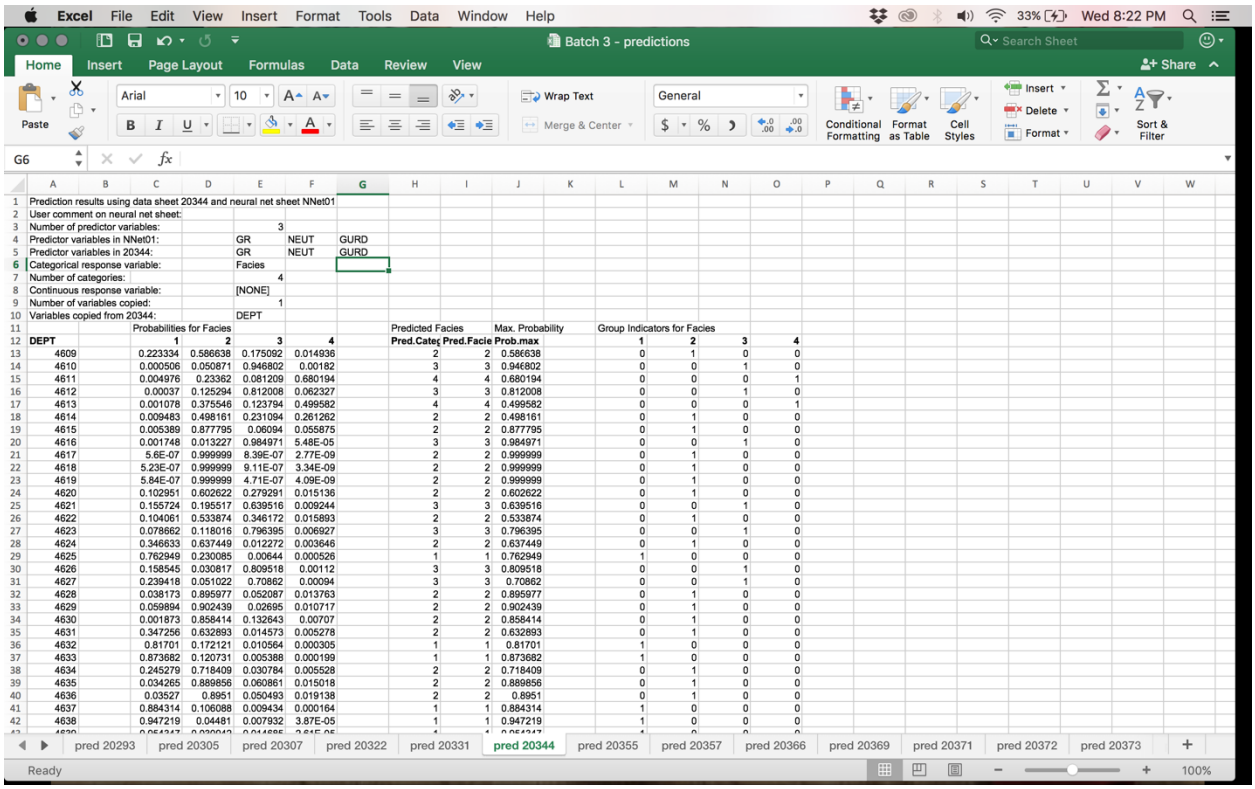
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W
1	Prediction results using data sheet 20322 and neural net sheet NNet01																						
2	User comment on neural net sheet:																						
3	Number of predictor variables:				3																		
4	Predictor variables in NNet01:				GR	NEUT	GURD																
5	Predictor variables in 20322:				GR	NEUT	GURD																
6	Categorical response variable:				Facies																		
7	Number of categories:				4																		
8	Continuous response variable:				[NONE]																		
9	Number of variables copied:				1																		
10	Variables copied from 20322:				DEPT																		
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies											
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4								
13	4637		0.000104	0.02095	0.181511	0.797436		4	4	0.797436		0	0	0	1								
14	4638		0.001278	0.111295	0.106222	0.781205		4	4	0.781205		0	0	0	1								
15	4639		2.79E-05	0.997782	0.00216	3.03E-05		2	2	0.997782		0	1	0	0								
16	4640		5.22E-05	0.146736	0.852894	0.000318		3	3	0.852894		0	0	1	0								
17	4641		1.62E-05	0.321143	0.678661	0.00018		3	3	0.678661		0	0	1	0								
18	4642		7.25E-05	0.796163	0.203308	0.000457		2	2	0.796163		0	1	0	0								
19	4643		0.073122	0.14909	0.747444	0.030344		3	3	0.747444		0	0	1	0								
20	4644		0.310896	0.211698	0.476739	0.000667		3	3	0.476739		0	0	1	0								
21	4645		0.02074	0.846502	0.035703	0.097054		2	2	0.846502		0	1	0	0								
22	4646		0.018191	0.039773	0.318519	0.623517		4	4	0.623517		0	0	0	1								
23	4647		0.135453	0.124753	0.723389	0.016404		3	3	0.723389		0	0	1	0								
24	4648		0.244035	0.07421	0.678978	0.002777		3	3	0.678978		0	0	1	0								
25	4649		0.210109	0.058619	0.730214	0.001059		3	3	0.730214		0	0	1	0								
26	4650		0.100932	0.056674	0.841762	0.000632		3	3	0.841762		0	0	1	0								
27	4651		0.254671	0.008653	0.731462	0.005214		3	3	0.731462		0	0	1	0								
28	4652		0.352607	0.095402	0.546258	0.005734		3	3	0.546258		0	0	1	0								
29	4653		0.136308	0.375387	0.359334	0.12897		2	2	0.375387		0	1	0	0								
30	4654		0.009307	0.715093	0.246557	0.029043		2	2	0.715093		0	1	0	0								
31	4655		0.216246	0.200889	0.490641	0.092225		3	3	0.490641		0	0	1	0								
32	4656		0.199286	0.753455	0.03507	0.012189		2	2	0.753455		0	1	0	0								
33	4657		0.856632	0.120743	0.022406	0.000219		1	1	0.856632		1	0	0	0								
34	4658		0.975048	0.01983	0.005112	9.44E-06		1	1	0.975048		1	0	0	0								
35	4659		0.976756	0.016294	0.006935	1.54E-05		1	1	0.976756		1	0	0	0								
36	4660		0.970825	0.025728	0.003439	8.25E-06		1	1	0.970825		1	0	0	0								
37	4661		0.984996	0.012904	0.002096	3.71E-06		1	1	0.984996		1	0	0	0								
38	4662		0.977851	0.019043	0.0031	6.1E-06		1	1	0.977851		1	0	0	0								
39	4663		0.980735	0.015809	0.003451	5.33E-06		1	1	0.980735		1	0	0	0								
40	4664		0.953973	0.014623	0.031393	1.03E-05		1	1	0.953973		1	0	0	0								
41	4665		0.980554	0.014863	0.004576	6.73E-06		1	1	0.980554		1	0	0	0								
42	4666		0.966228	0.011775	0.021989	6.77E-06		1	1	0.966228		1	0	0	0								

pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | pred 20355 | pred 20357 | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

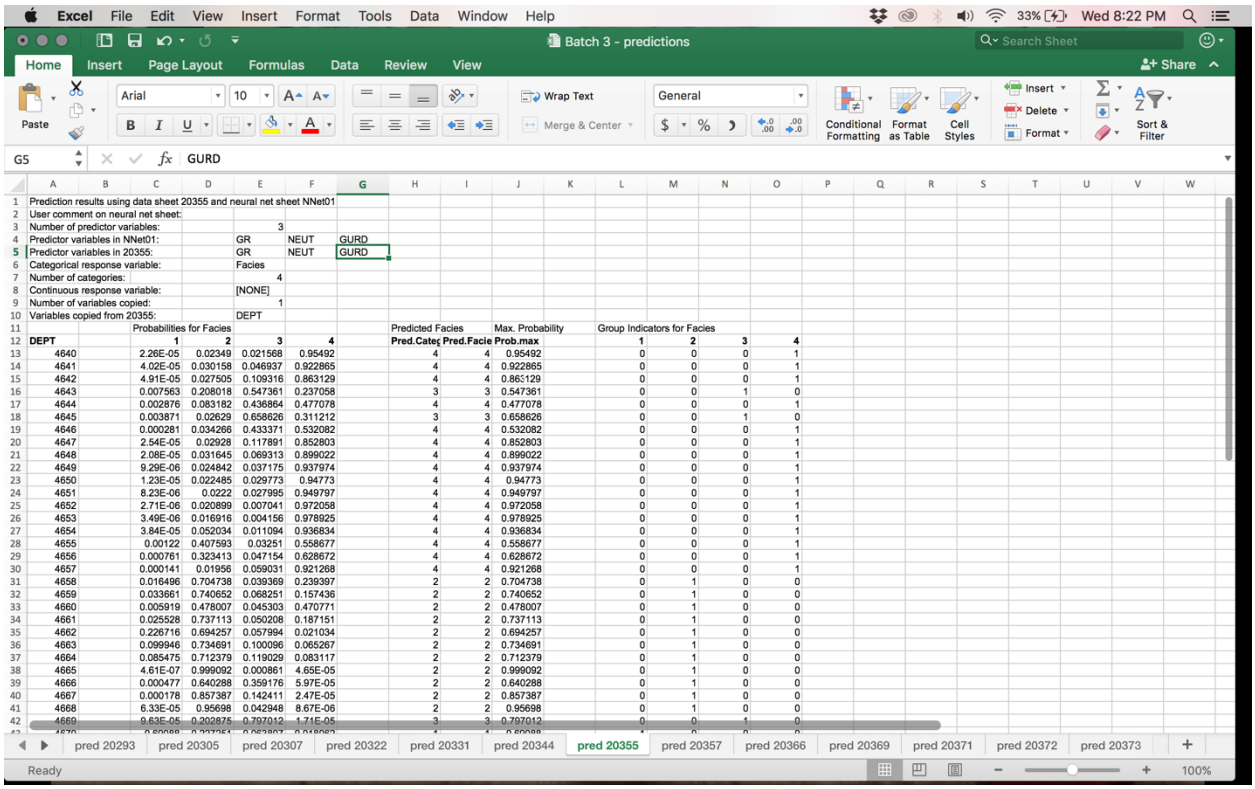
20331


Batch 3 - predictions
Prediction results using data sheet 20331 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20331: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20331: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4607 3.31E-06 0.003543 0.996367 8.66E-05 3 3 0.996367 0 0 1 0
4608 6.31E-06 0.000531 0.999458 4.54E-06 3 3 0.999458 0 0 1 0
4609 2.55E-06 0.000617 0.999379 1.44E-06 3 3 0.999379 0 0 1 0
4610 1.05E-05 4.93E-05 0.99994 2.92E-07 3 3 0.99994 0 0 1 0
4611 0.000363 0.99269 0.006265 0.000682 2 2 0.99269 0 1 0 0
4612 6.75E-09 0.999999 4.2E-07 1.39E-07 2 2 0.999999 0 1 0 0
4613 6.51E-09 1 1.74E-07 1.93E-07 2 2 1 0 1 0 0
4614 6.62E-11 1 3.91E-09 5.23E-08 2 2 1 0 1 0 0
4615 1.15E-08 0.999998 1.56E-06 2.37E-07 2 2 0.999998 0 1 0 0
4616 0.000155 0.996799 0.002721 0.000325 2 2 0.996799 0 1 0 0
4617 8.61E-08 0.999992 7.22E-06 9.5E-07 2 2 0.999992 0 1 0 0
4618 3.31E-07 0.999971 2.57E-05 2.67E-06 2 2 0.999971 0 1 0 0
4619 6.67E-09 1 2.5E-07 1.37E-07 2 2 1 0 1 0 0
4620 0.000666 0.993015 0.005558 0.000761 2 2 0.993015 0 1 0 0
4621 0.0075 0.081878 0.909735 0.000888 3 3 0.909735 0 0 1 0
4622 0.002825 0.726522 0.265572 0.005081 2 2 0.726522 0 1 0 0
4623 2.05E-05 0.000236 0.999743 1.18E-06 3 3 0.999743 0 0 1 0
4624 1.56E-05 0.000258 0.999725 1.07E-06 3 3 0.999725 0 0 1 0
4625 0.00169 0.061833 0.936456 2.18E-05 3 3 0.936456 0 0 1 0
4626 3.44E-05 0.000298 0.999667 5.64E-07 3 3 0.999667 0 0 1 0
4627 5.49E-05 0.001771 0.998169 5.42E-06 3 3 0.998169 0 0 1 0
4628 4.75E-05 0.007478 0.992465 9.16E-06 3 3 0.992465 0 0 1 0
4629 0.000231 0.892017 0.107177 0.000574 2 2 0.892017 0 1 0 0
4630 0.044277 0.022739 0.932821 0.000163 3 3 0.932821 0 0 1 0
4631 0.007513 0.036648 0.955684 0.000155 3 3 0.955684 0 0 1 0
4632 0.002319 0.000794 0.996886 1.35E-06 3 3 0.996886 0 0 1 0
4633 0.773786 0.014446 0.211721 4.67E-05 1 1 0.773786 1 0 0 0
4634 0.011441 0.001645 0.986912 1.39E-06 3 3 0.986912 0 0 1 0
4635 0.01033 0.001651 0.988017 1.57E-06 3 3 0.988017 0 0 1 0
4636 0.290056 0.013048 0.696854 4.19E-05 3 3 0.696854 0 0 1 0
pred 20293 pred 20305 pred 20307 pred 20322 pred 20331 pred 20344 pred 20355 pred 20357 pred 20366 pred 20369 pred 20371 pred 20372 pred 20373
Ready

20344


Batch 3 - predictions
Prediction results using data sheet 20344 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20344: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20344: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4609 0.223334 0.586638 0.175092 0.014936 2 2 0.586638 0 1 0 0
4610 0.000506 0.050871 0.946802 0.00182 3 3 0.946802 0 0 1 0
4611 0.004976 0.23362 0.081209 0.680194 4 4 0.680194 0 0 0 1
4612 0.00037 0.125294 0.812008 0.062327 3 3 0.812008 0 0 1 0
4613 0.001078 0.375546 0.123794 0.499582 4 4 0.499582 0 0 0 1
4614 0.009483 0.498161 0.231094 0.261262 2 2 0.498161 0 1 0 0
4615 0.005389 0.877795 0.06094 0.055875 2 2 0.877795 0 1 0 0
4616 0.001748 0.013227 0.984971 5.48E-05 3 3 0.984971 0 0 1 0
4617 5.6E-07 0.999999 8.39E-07 2.77E-09 2 2 0.999999 0 1 0 0
4618 5.23E-07 0.999999 9.11E-07 3.34E-09 2 2 0.999999 0 1 0 0
4619 5.84E-07 0.999999 4.71E-07 4.09E-09 2 2 0.999999 0 1 0 0
4620 0.102951 0.602622 0.279291 0.015136 2 2 0.602622 0 1 0 0
4621 0.155724 0.195517 0.639516 0.009244 3 3 0.639516 0 0 1 0
4622 0.104061 0.533874 0.346172 0.015893 2 2 0.533874 0 1 0 0
4623 0.078662 0.118016 0.796395 0.006927 3 3 0.796395 0 0 1 0
4624 0.346633 0.637449 0.012272 0.003646 2 2 0.637449 0 1 0 0
4625 0.762949 0.230085 0.00644 0.000526 1 1 0.762949 1 0 0 0
4626 0.158545 0.030817 0.809518 0.00112 3 3 0.809518 0 0 1 0
4627 0.239418 0.051022 0.70862 0.00094 3 3 0.70862 0 0 1 0
4628 0.038173 0.895977 0.052087 0.013763 2 2 0.895977 0 1 0 0
4629 0.059894 0.902439 0.02695 0.010717 2 2 0.902439 0 1 0 0
4630 0.001873 0.858414 0.132643 0.00707 2 2 0.858414 0 1 0 0
4631 0.347256 0.632893 0.014573 0.005278 2 2 0.632893 0 1 0 0
4632 0.81701 0.172121 0.010564 0.000305 1 1 0.81701 1 0 0 0
4633 0.873682 0.120731 0.005388 0.000199 1 1 0.873682 1 0 0 0
4634 0.245279 0.718409 0.030784 0.005528 2 2 0.718409 0 1 0 0
4635 0.034265 0.889856 0.060861 0.015018 2 2 0.889856 0 1 0 0
4636 0.03527 0.8951 0.050493 0.019138 2 2 0.8951 0 1 0 0
4637 0.884314 0.106088 0.009434 0.000164 1 1 0.884314 1 0 0 0
4638 0.947219 0.04481 0.007932 3.87E-05 1 1 0.947219 1 0 0 0
pred 20293 pred 20305 pred 20307 pred 20322 pred 20331 pred 20344 pred 20355 pred 20357 pred 20366 pred 20369 pred 20371 pred 20372 pred 20373
Ready
100%

20355



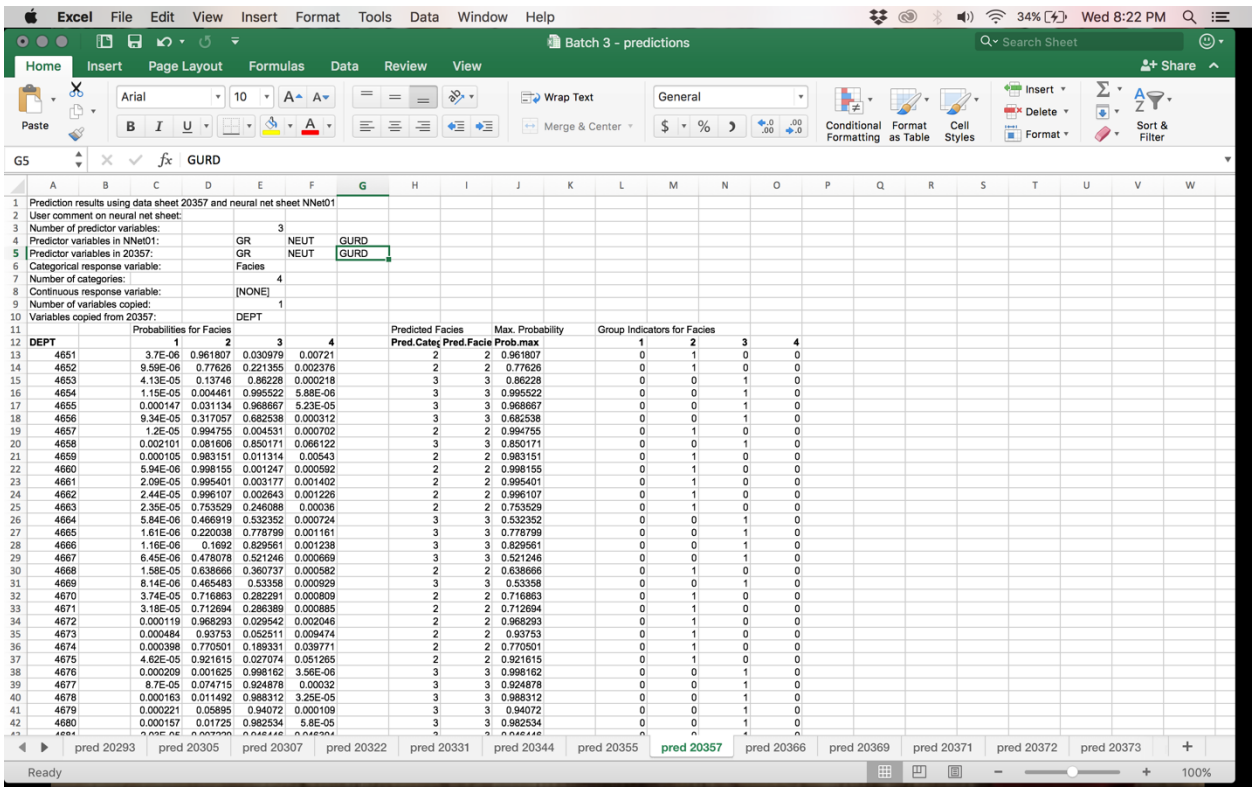
	A	B	C	D	E	F	G
1	Prediction results using data sheet 20355 and neural net sheet NNet01						
2	User comment on neural net sheet:						
3	Number of predictor variables:				3		
4	Predictor variables in NNet01:				GR	NEUT	GURD
5	Predictor variables in 20355:				GR	NEUT	GURD
6	Categorical response variable:				Facies		
7	Number of categories:				4		
8	Continuous response variable:				[NONE]		
9	Number of variables copied:				1		
10	Variables copied from 20355:				DEPT		
11			Probabilities for Facies				
12	DEPT		1	2	3	4	
13	4640		2.26E-05	0.02349	0.021568	0.95492	
14	4641		4.02E-05	0.030158	0.046937	0.922865	
15	4642		4.91E-05	0.027505	0.109316	0.863129	
16	4643		0.007563	0.208018	0.547361	0.237058	
17	4644		0.002876	0.083182	0.436864	0.477078	
18	4645		0.003871	0.02629	0.658626	0.311212	
19	4646		0.000281	0.034266	0.433371	0.532082	
20	4647		2.54E-05	0.02928	0.117891	0.852803	
21	4648		2.08E-05	0.031645	0.069313	0.899022	
22	4649		9.29E-06	0.024842	0.037175	0.937974	
23	4650		1.23E-05	0.022485	0.029773	0.94773	
24	4651		8.23E-06	0.0222	0.027995	0.949797	
25	4652		2.71E-06	0.020899	0.007041	0.972058	
26	4653		3.49E-06	0.016916	0.004156	0.978925	
27	4654		3.84E-05	0.052034	0.011094	0.936834	
28	4655		0.00122	0.407593	0.03251	0.558677	
29	4656		0.000761	0.323413	0.047154	0.628672	
30	4657		0.000141	0.01956	0.059031	0.921268	
31	4658		0.016496	0.704738	0.039369	0.239397	
32	4659		0.033661	0.740652	0.068251	0.157436	
33	4660		0.005919	0.478007	0.045303	0.470771	
34	4661		0.025528	0.737113	0.050208	0.187151	
35	4662		0.226716	0.694257	0.057994	0.021034	
36	4663		0.099946	0.734691	0.100096	0.065267	
37	4664		0.085475	0.712379	0.119029	0.083117	
38	4665		4.61E-07	0.999092	0.000861	4.65E-05	
39	4666		0.000477	0.640288	0.359176	5.97E-05	
40	4667		0.000178	0.857387	0.142411	2.47E-05	
41	4668		6.33E-05	0.95698	0.042948	8.67E-06	
42	4669		9.63E-05	0.202875	0.797012	1.71E-05	

	H	I	J	K	L	M	N	O
11	Predicted Facies		Max. Probability	Group Indicators for Facies				
12	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4	4	0.95492	0	0	0	1	
14	4	4	0.922865	0	0	0	1	
15	4	4	0.863129	0	0	0	1	
16	3	3	0.547361	0	0	1	0	
17	4	4	0.477078	0	0	0	1	
18	3	3	0.658626	0	0	1	0	
19	4	4	0.532082	0	0	0	1	
20	4	4	0.852803	0	0	0	1	
21	4	4	0.899022	0	0	0	1	
22	4	4	0.937974	0	0	0	1	
23	4	4	0.94773	0	0	0	1	
24	4	4	0.949797	0	0	0	1	
25	4	4	0.972058	0	0	0	1	
26	4	4	0.978925	0	0	0	1	
27	4	4	0.936834	0	0	0	1	
28	4	4	0.558677	0	0	0	1	
29	4	4	0.628672	0	0	0	1	
30	4	4	0.921268	0	0	0	1	
31	2	2	0.704738	0	1	0	0	
32	2	2	0.740652	0	1	0	0	
33	2	2	0.478007	0	1	0	0	
34	2	2	0.737113	0	1	0	0	
35	2	2	0.694257	0	1	0	0	
36	2	2	0.734691	0	1	0	0	
37	2	2	0.712379	0	1	0	0	
38	2	2	0.999092	0	1	0	0	
39	2	2	0.640288	0	1	0	0	
40	2	2	0.857387	0	1	0	0	
41	2	2	0.95698	0	1	0	0	
42	3	3	0.797012	0	0	1	0	

pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | **pred 20355** | pred 20357 | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

Ready 100%

20357



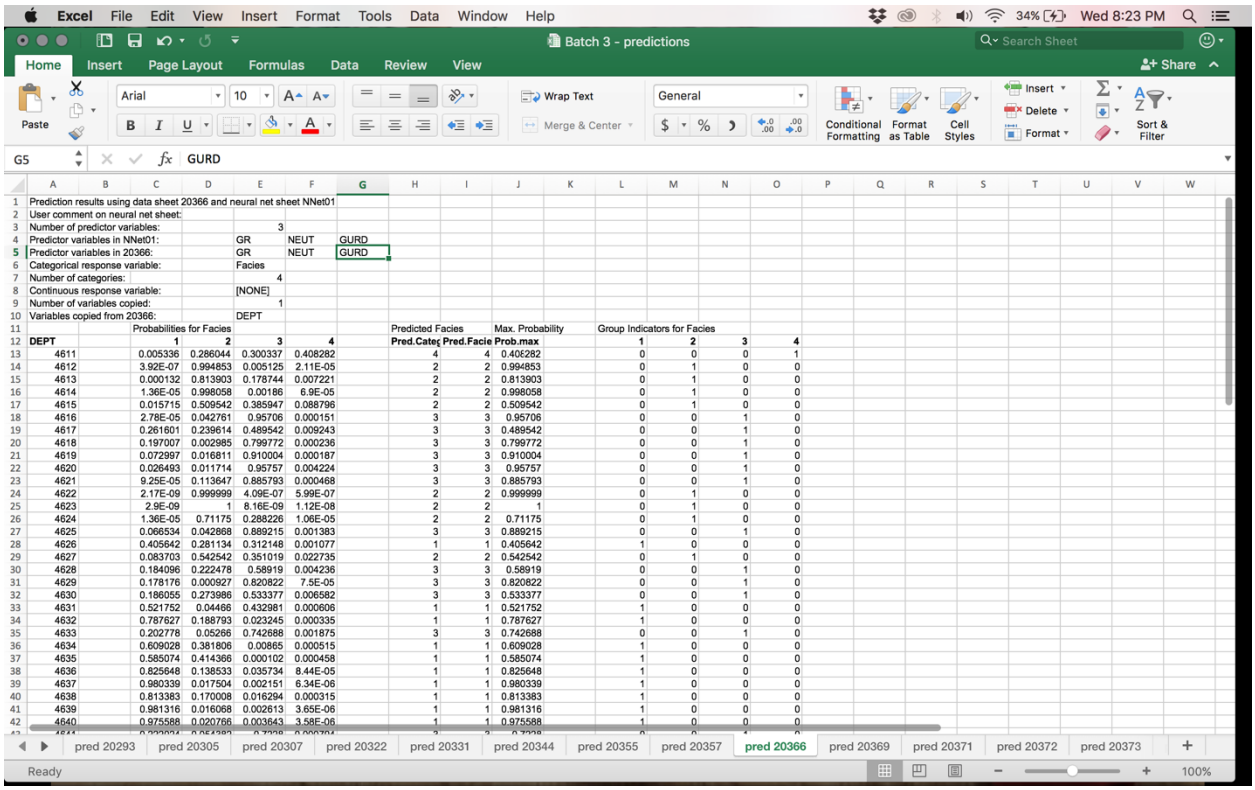
	A	B	C	D	E	F	G
1	Prediction results using data sheet 20357 and neural net sheet NNet01						
2	User comment on neural net sheet:						
3	Number of predictor variables:				3		
4	Predictor variables in NNet01:				GR	NEUT	GURD
5	Predictor variables in 20357:				GR	NEUT	GURD
6	Categorical response variable:				Facies		
7	Number of categories:				4		
8	Continuous response variable:				[NONE]		
9	Number of variables copied:				1		
10	Variables copied from 20357:				DEPT		
11			Probabilities for Facies				
12	DEPT		1	2	3	4	
13	4651		3.7E-06	0.961807	0.030979	0.00721	
14	4652		9.59E-06	0.77626	0.221355	0.002376	
15	4653		4.13E-05	0.13746	0.86228	0.000218	
16	4654		1.15E-05	0.004461	0.995522	5.88E-06	
17	4655		0.000147	0.031134	0.968667	5.23E-05	
18	4656		9.34E-05	0.317057	0.682538	0.000312	
19	4657		1.2E-05	0.994755	0.004531	0.000702	
20	4658		0.002101	0.081606	0.850171	0.066122	
21	4659		0.000105	0.983151	0.011314	0.00543	
22	4660		5.94E-06	0.998155	0.001247	0.000592	
23	4661		2.09E-05	0.995401	0.003177	0.001402	
24	4662		2.44E-05	0.996107	0.002643	0.001226	
25	4663		2.35E-05	0.753529	0.246088	0.00036	
26	4664		5.84E-06	0.466919	0.532352	0.000724	
27	4665		1.61E-06	0.220038	0.778799	0.001161	
28	4666		1.16E-06	0.1692	0.829561	0.001238	
29	4667		6.45E-06	0.478078	0.521246	0.000669	
30	4668		1.58E-05	0.638666	0.360737	0.000582	
31	4669		8.14E-06	0.465483	0.53358	0.000929	
32	4670		3.74E-05	0.716863	0.282291	0.000809	
33	4671		3.18E-05	0.712694	0.286389	0.000885	
34	4672		0.000119	0.968293	0.029542	0.002046	
35	4673		0.000484	0.93753	0.052511	0.009474	
36	4674		0.000398	0.770501	0.189331	0.039771	
37	4675		4.62E-05	0.921615	0.027074	0.051265	
38	4676		0.000209	0.001625	0.998162	3.56E-06	
39	4677		8.7E-05	0.074715	0.924878	0.00032	
40	4678		0.000163	0.011492	0.988312	3.25E-05	
41	4679		0.000221	0.05895	0.94072	0.000109	
42	4680		0.000157	0.01725	0.982534	5.8E-05	

	H	I	J	K	L	M	N	O
11	Predicted Facies		Max. Probability	Group Indicators for Facies				
12	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	2	2	0.961807	0	1	0	0	
14	2	2	0.77626	0	1	0	0	
15	3	3	0.86228	0	0	1	0	
16	3	3	0.995522	0	0	1	0	
17	3	3	0.968667	0	0	1	0	
18	3	3	0.682538	0	0	1	0	
19	2	2	0.994755	0	1	0	0	
20	3	3	0.850171	0	0	1	0	
21	2	2	0.983151	0	1	0	0	
22	2	2	0.998155	0	1	0	0	
23	2	2	0.995401	0	1	0	0	
24	2	2	0.996107	0	1	0	0	
25	2	2	0.753529	0	1	0	0	
26	3	3	0.532352	0	0	1	0	
27	3	3	0.778799	0	0	1	0	
28	3	3	0.829561	0	0	1	0	
29	3	3	0.521246	0	0	1	0	
30	2	2	0.638666	0	1	0	0	
31	3	3	0.53358	0	0	1	0	
32	2	2	0.716863	0	1	0	0	
33	2	2	0.712694	0	1	0	0	
34	2	2	0.968293	0	1	0	0	
35	2	2	0.93753	0	1	0	0	
36	2	2	0.770501	0	1	0	0	
37	2	2	0.921615	0	1	0	0	
38	3	3	0.998162	0	0	1	0	
39	3	3	0.924878	0	0	1	0	
40	3	3	0.988312	0	0	1	0	
41	3	3	0.94072	0	0	1	0	
42	3	3	0.982534	0	0	1	0	

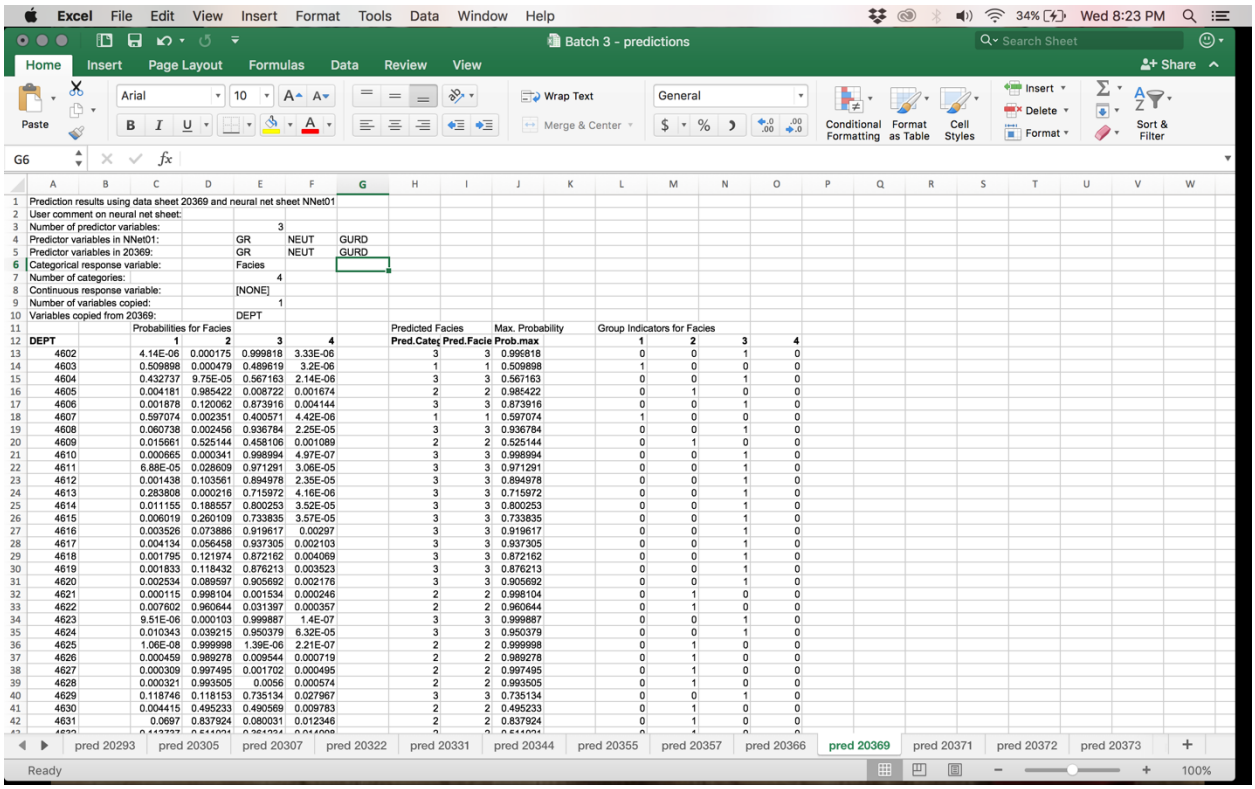
pred 20293 | pred 20305 | pred 20307 | pred 20322 | pred 20331 | pred 20344 | pred 20355 | **pred 20357** | pred 20366 | pred 20369 | pred 20371 | pred 20372 | pred 20373

Ready 100%

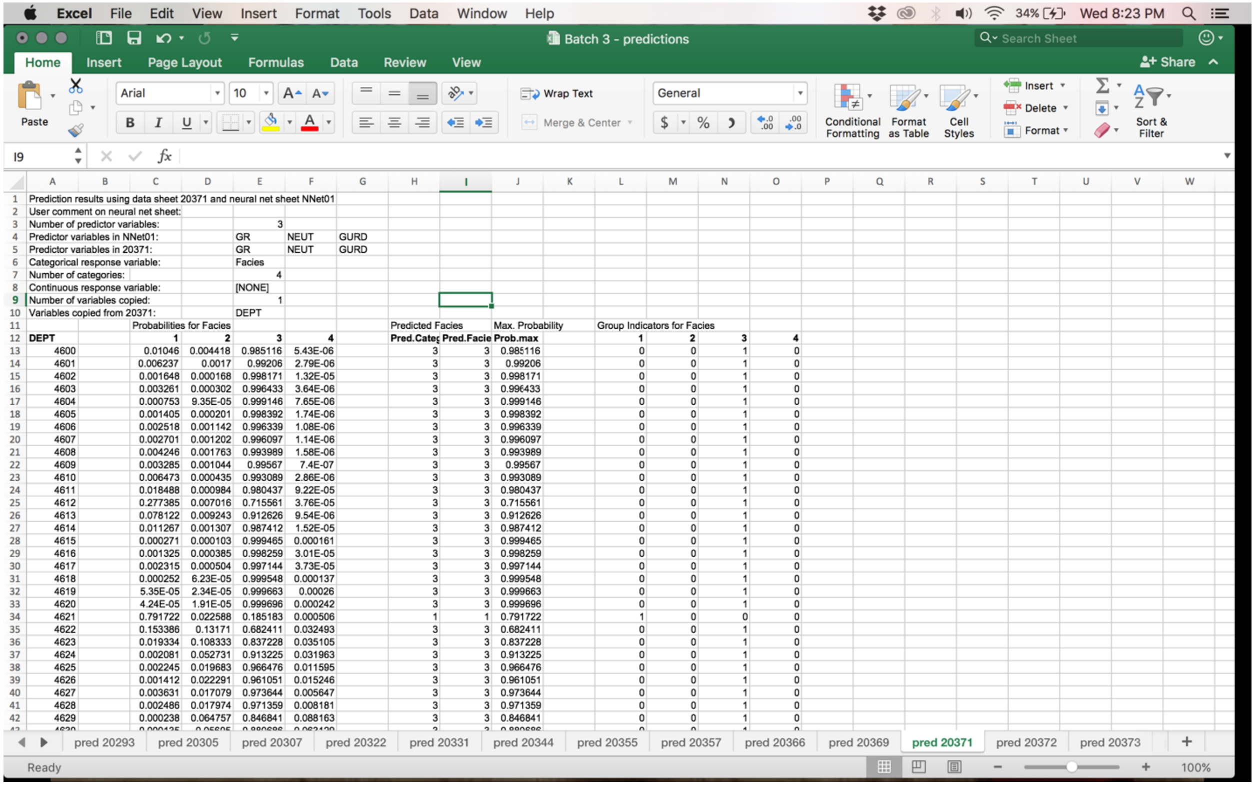
20366


Batch 3 - predictions
Prediction results using data sheet 20366 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20366: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20366: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
pred 20293
pred 20305
pred 20307
pred 20322
pred 20331
pred 20344
pred 20355
pred 20357
pred 20366
pred 20369
pred 20371
pred 20372
pred 20373
Ready

20369


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:23 PM
Batch 3 - predictions
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
G6
Prediction results using data sheet 20369 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20369: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20369: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4602 4.14E-06 0.000175 0.999818 3.33E-06 3 3 0.999818 0 0 1 0
4603 0.509898 0.000479 0.489619 3.2E-06 1 1 0.509898 1 0 0 0
4604 0.432737 9.75E-05 0.567163 2.14E-06 3 3 0.567163 0 0 1 0
4605 0.004181 0.985422 0.008722 0.001674 2 2 0.985422 0 1 0 0
4606 0.001878 0.120062 0.873916 0.004144 3 3 0.873916 0 0 1 0
4607 0.597074 0.002351 0.400571 4.42E-06 1 1 0.597074 1 0 0 0
4608 0.060738 0.002456 0.936784 2.25E-05 3 3 0.936784 0 0 1 0
4609 0.015661 0.525144 0.458106 0.001089 2 2 0.525144 0 1 0 0
4610 0.000665 0.000341 0.998994 4.97E-07 3 3 0.998994 0 0 1 0
4611 6.88E-05 0.028609 0.971291 3.06E-05 3 3 0.971291 0 0 1 0
4612 0.001438 0.103561 0.894978 2.35E-05 3 3 0.894978 0 0 1 0
4613 0.283808 0.000216 0.715972 4.16E-06 3 3 0.715972 0 0 1 0
4614 0.011155 0.188557 0.800253 3.52E-05 3 3 0.800253 0 0 1 0
4615 0.006019 0.260109 0.733835 3.57E-05 3 3 0.733835 0 0 1 0
4616 0.003526 0.073886 0.919617 0.00297 3 3 0.919617 0 0 1 0
4617 0.004134 0.056458 0.937305 0.002103 3 3 0.937305 0 0 1 0
4618 0.001795 0.121974 0.872162 0.004069 3 3 0.872162 0 0 1 0
4619 0.001833 0.118432 0.876213 0.003523 3 3 0.876213 0 0 1 0
4620 0.002534 0.089597 0.905692 0.002176 3 3 0.905692 0 0 1 0
4621 0.000115 0.998104 0.001534 0.000246 2 2 0.998104 0 1 0 0
4622 0.007602 0.960644 0.031397 0.000357 2 2 0.960644 0 1 0 0
4623 9.51E-06 0.000103 0.999887 1.4E-07 3 3 0.999887 0 0 1 0
4624 0.010343 0.039215 0.950379 6.32E-05 3 3 0.950379 0 0 1 0
4625 1.06E-08 0.999998 1.39E-06 2.21E-07 2 2 0.999998 0 1 0 0
4626 0.000459 0.989278 0.009544 0.000719 2 2 0.989278 0 1 0 0
4627 0.000309 0.997495 0.001702 0.000495 2 2 0.997495 0 1 0 0
4628 0.000321 0.993505 0.0056 0.000574 2 2 0.993505 0 1 0 0
4629 0.118746 0.118153 0.735134 0.027967 3 3 0.735134 0 0 1 0
4630 0.004415 0.495233 0.490569 0.009783 2 2 0.495233 0 1 0 0
4631 0.0697 0.837924 0.080031 0.012346 2 2 0.837924 0 1 0 0
pred 20293 pred 20305 pred 20307 pred 20322 pred 20331 pred 20344 pred 20355 pred 20357 pred 20366 pred 20369 pred 20371 pred 20372 pred 20373
Ready
100%

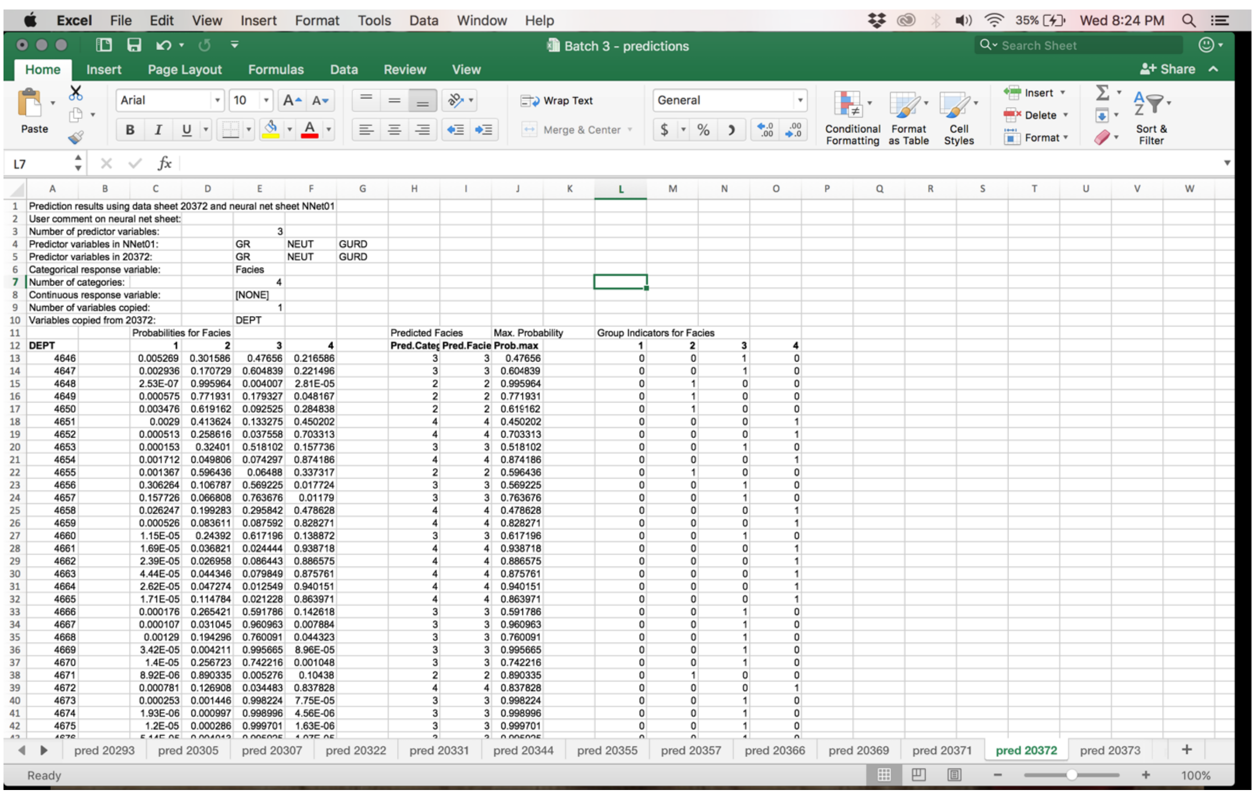
20371



Prediction results using data sheet 20371 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20371: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20371: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4600	0.01046	0.004418	0.985116	5.43E-06	3	3	0.985116	0	0	1	0
4601	0.006237	0.0017	0.99206	2.79E-06	3	3	0.99206	0	0	1	0
4602	0.001648	0.000168	0.998171	1.32E-05	3	3	0.998171	0	0	1	0
4603	0.003261	0.000302	0.996433	3.64E-06	3	3	0.996433	0	0	1	0
4604	0.000753	9.35E-05	0.999146	7.65E-06	3	3	0.999146	0	0	1	0
4605	0.001405	0.000201	0.998392	1.74E-06	3	3	0.998392	0	0	1	0
4606	0.002518	0.001142	0.996339	1.08E-06	3	3	0.996339	0	0	1	0
4607	0.002701	0.001202	0.996097	1.14E-06	3	3	0.996097	0	0	1	0
4608	0.004246	0.001763	0.993989	1.58E-06	3	3	0.993989	0	0	1	0
4609	0.003285	0.001044	0.99567	7.4E-07	3	3	0.99567	0	0	1	0
4610	0.006473	0.000435	0.993089	2.86E-06	3	3	0.993089	0	0	1	0
4611	0.018488	0.000984	0.980437	9.22E-05	3	3	0.980437	0	0	1	0
4612	0.277385	0.007016	0.715561	3.76E-05	3	3	0.715561	0	0	1	0
4613	0.078122	0.009243	0.912626	9.54E-06	3	3	0.912626	0	0	1	0
4614	0.011267	0.001307	0.987412	1.52E-05	3	3	0.987412	0	0	1	0
4615	0.000271	0.000103	0.999465	0.000161	3	3	0.999465	0	0	1	0
4616	0.001325	0.000385	0.998259	3.01E-05	3	3	0.998259	0	0	1	0
4617	0.002315	0.000504	0.997144	3.73E-05	3	3	0.997144	0	0	1	0
4618	0.000252	6.23E-05	0.999548	0.000137	3	3	0.999548	0	0	1	0
4619	5.35E-05	2.34E-05	0.999663	0.00026	3	3	0.999663	0	0	1	0
4620	4.24E-05	1.91E-05	0.999696	0.000242	3	3	0.999696	0	0	1	0
4621	0.791722	0.022588	0.185183	0.000506	1	1	0.791722	1	0	0	0
4622	0.153386	0.13171	0.682411	0.032493	3	3	0.682411	0	0	1	0
4623	0.019334	0.108333	0.837228	0.035105	3	3	0.837228	0	0	1	0
4624	0.002081	0.052731	0.913225	0.031963	3	3	0.913225	0	0	1	0
4625	0.002245	0.019683	0.966476	0.011595	3	3	0.966476	0	0	1	0
4626	0.001412	0.022291	0.961051	0.015246	3	3	0.961051	0	0	1	0
4627	0.003631	0.017079	0.973644	0.005647	3	3	0.973644	0	0	1	0
4628	0.002486	0.017974	0.971359	0.008181	3	3	0.971359	0	0	1	0
4629	0.000238	0.064757	0.846841	0.088163	3	3	0.846841	0	0	1	0

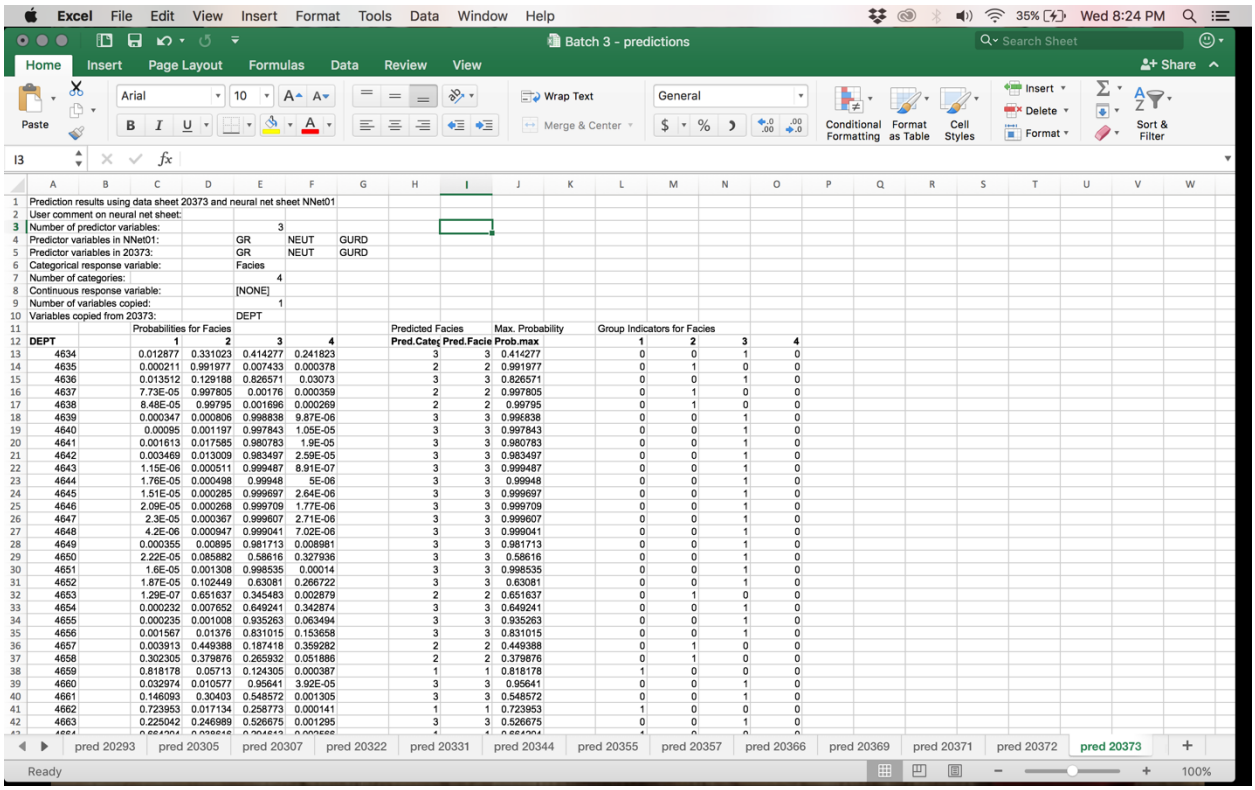
20372



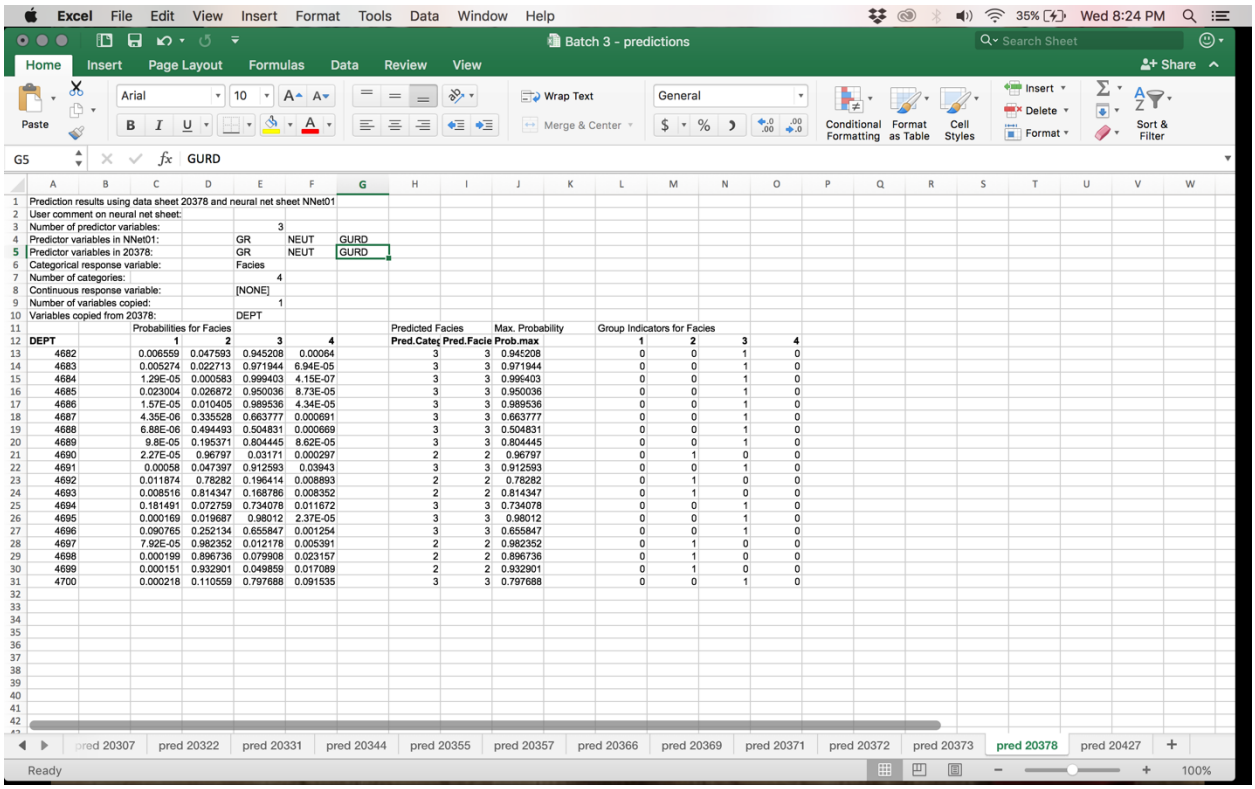
Prediction results using data sheet 20372 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20372: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20372: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4646	0.005269	0.301586	0.47656	0.216586	3	3	0.47656	0	0	1	0
4647	0.002936	0.170729	0.604839	0.221496	3	3	0.604839	0	0	1	0
4648	2.53E-07	0.995964	0.004007	2.81E-05	2	2	0.995964	0	1	0	0
4649	0.000575	0.771931	0.179327	0.048167	2	2	0.771931	0	1	0	0
4650	0.003476	0.619162	0.092525	0.284838	2	2	0.619162	0	1	0	0
4651	0.0029	0.413624	0.133275	0.450202	4	4	0.450202	0	0	0	1
4652	0.000513	0.258616	0.037558	0.703313	4	4	0.703313	0	0	0	1
4653	0.000153	0.32401	0.518102	0.157736	3	3	0.518102	0	0	1	0
4654	0.001712	0.049806	0.074297	0.874186	4	4	0.874186	0	0	0	1
4655	0.001367	0.596436	0.06488	0.337317	2	2	0.596436	0	1	0	0
4656	0.306264	0.106787	0.569225	0.017724	3	3	0.569225	0	0	1	0
4657	0.157726	0.066808	0.763676	0.01179	3	3	0.763676	0	0	1	0
4658	0.026247	0.199283	0.295842	0.478628	4	4	0.478628	0	0	0	1
4659	0.000526	0.083611	0.087592	0.828271	4	4	0.828271	0	0	0	1
4660	1.15E-05	0.24392	0.617196	0.138872	3	3	0.617196	0	0	1	0
4661	1.69E-05	0.036821	0.024444	0.938718	4	4	0.938718	0	0	0	1
4662	2.39E-05	0.026958	0.086443	0.886575	4	4	0.886575	0	0	0	1
4663	4.44E-05	0.044346	0.079849	0.875761	4	4	0.875761	0	0	0	1
4664	2.62E-05	0.047274	0.012549	0.940151	4	4	0.940151	0	0	0	1
4665	1.71E-05	0.114784	0.021228	0.863971	4	4	0.863971	0	0	0	1
4666	0.000176	0.265421	0.591786	0.142618	3	3	0.591786	0	0	1	0
4667	0.000107	0.031045	0.960963	0.007884	3	3	0.960963	0	0	1	0
4668	0.00129	0.194296	0.760091	0.044323	3	3	0.760091	0	0	1	0
4669	3.42E-05	0.004211	0.995665	8.96E-05	3	3	0.995665	0	0	1	0
4670	1.4E-05	0.256723	0.742216	0.001048	3	3	0.742216	0	0	1	0
4671	8.92E-06	0.890335	0.005276	0.10438	2	2	0.890335	0	1	0	0
4672	0.000781	0.126908	0.034483	0.837828	4	4	0.837828	0	0	0	1
4673	0.000253	0.001446	0.998224	7.75E-05	3	3	0.998224	0	0	1	0
4674	1.93E-06	0.000997	0.998996	4.56E-06	3	3	0.998996	0	0	1	0
4675	1.2E-05	0.000286	0.999701	1.63E-06	3	3	0.999701	0	0	1	0

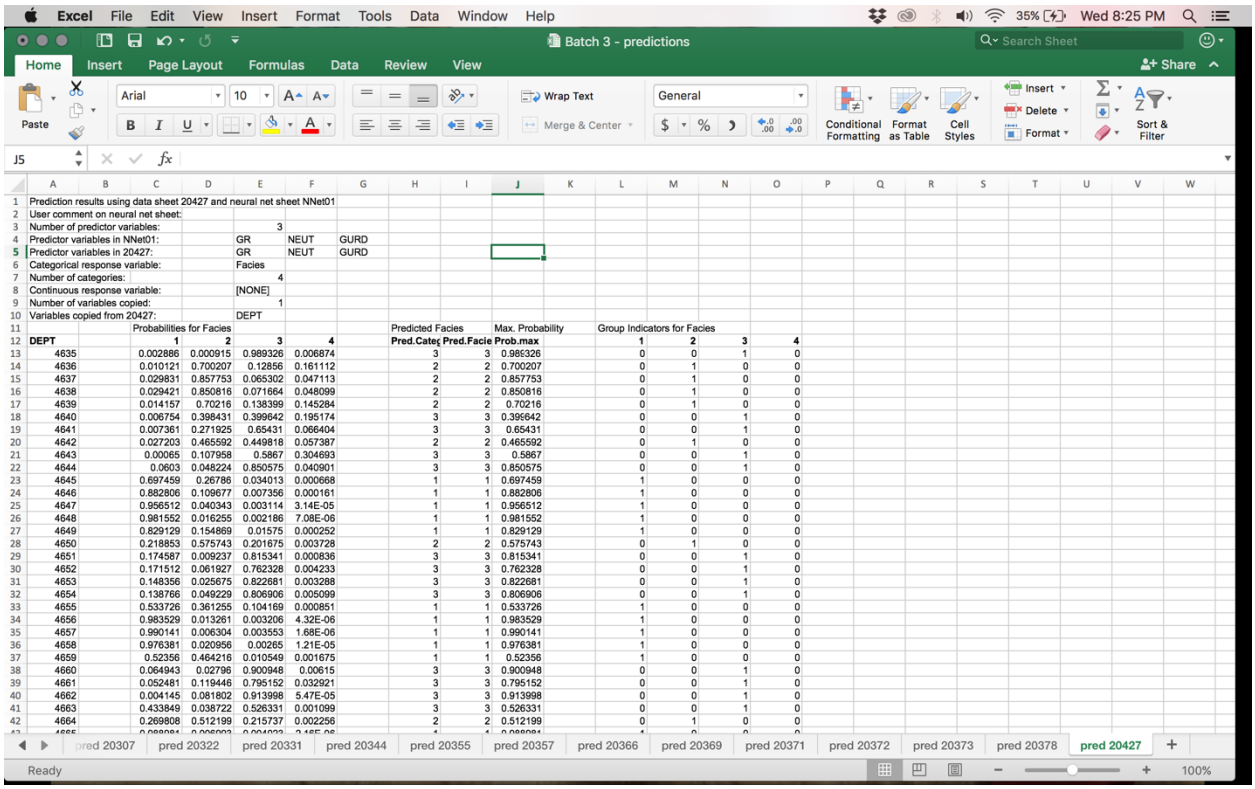
20373


Batch 3 - predictions
Prediction results using data sheet 20373 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20373: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20373: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4634 0.012877 0.331023 0.414277 0.241823 3 3 0.414277 0 0 1 0
4635 0.000211 0.991977 0.007433 0.000378 2 2 0.991977 0 1 0 0
4636 0.013512 0.129188 0.826571 0.03073 3 3 0.826571 0 0 1 0
4637 7.73E-05 0.997805 0.00176 0.000359 2 2 0.997805 0 1 0 0
4638 8.48E-05 0.99795 0.001696 0.000269 2 2 0.99795 0 1 0 0
4639 0.000347 0.000806 0.998838 9.87E-06 3 3 0.998838 0 0 1 0
4640 0.00095 0.001197 0.997843 1.05E-05 3 3 0.997843 0 0 1 0
4641 0.001613 0.017585 0.980783 1.9E-05 3 3 0.980783 0 0 1 0
4642 0.003469 0.013009 0.983497 2.59E-05 3 3 0.983497 0 0 1 0
4643 1.15E-06 0.000511 0.999487 8.91E-07 3 3 0.999487 0 0 1 0
4644 1.76E-05 0.000498 0.99948 5E-06 3 3 0.99948 0 0 1 0
4645 1.51E-05 0.000285 0.999697 2.64E-06 3 3 0.999697 0 0 1 0
4646 2.09E-05 0.000268 0.999709 1.77E-06 3 3 0.999709 0 0 1 0
4647 2.3E-05 0.000367 0.999607 2.71E-06 3 3 0.999607 0 0 1 0
4648 4.2E-06 0.000947 0.999041 7.02E-06 3 3 0.999041 0 0 1 0
4649 0.000355 0.00895 0.981713 0.008981 3 3 0.981713 0 0 1 0
4650 2.22E-05 0.085882 0.58616 0.327936 3 3 0.58616 0 0 1 0
4651 1.6E-05 0.001308 0.998535 0.00014 3 3 0.998535 0 0 1 0
4652 1.87E-05 0.102449 0.63081 0.266722 3 3 0.63081 0 0 1 0
4653 1.29E-07 0.651637 0.345483 0.002879 2 2 0.651637 0 1 0 0
4654 0.000232 0.007652 0.649241 0.342874 3 3 0.649241 0 0 1 0
4655 0.000235 0.001008 0.935263 0.063494 3 3 0.935263 0 0 1 0
4656 0.001567 0.01376 0.831015 0.153658 3 3 0.831015 0 0 1 0
4657 0.003913 0.449388 0.187418 0.359282 2 2 0.449388 0 1 0 0
4658 0.302305 0.379876 0.265932 0.051886 2 2 0.379876 0 1 0 0
4659 0.818178 0.05713 0.124305 0.000387 1 1 0.818178 1 0 0 0
4660 0.032974 0.010577 0.95641 3.92E-05 3 3 0.95641 0 0 1 0
4661 0.146093 0.30403 0.548572 0.001305 3 3 0.548572 0 0 1 0
4662 0.723953 0.017134 0.258773 0.000141 1 1 0.723953 1 0 0 0
4663 0.225042 0.246989 0.526675 0.001295 3 3 0.526675 0 0 1 0
pred 20293 pred 20305 pred 20307 pred 20322 pred 20331 pred 20344 pred 20355 pred 20357 pred 20366 pred 20369 pred 20371 pred 20372 pred 20373
Ready

20378

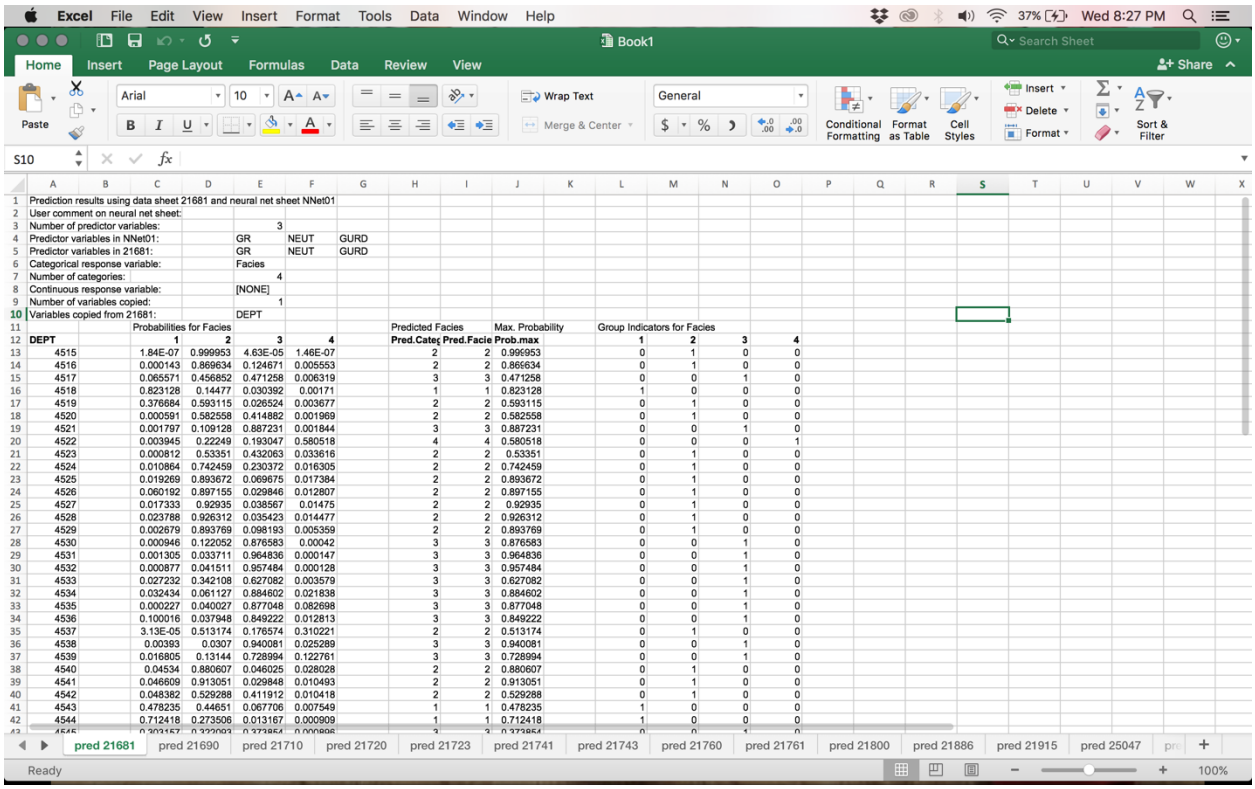

Batch 3 - predictions
Prediction results using data sheet 20378 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20378: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20378: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4682 0.006559 0.047593 0.945208 0.00064 3 3 0.945208 0 0 1 0
4683 0.005274 0.022713 0.971944 6.94E-05 3 3 0.971944 0 0 1 0
4684 1.29E-05 0.000583 0.999403 4.15E-07 3 3 0.999403 0 0 1 0
4685 0.023004 0.026872 0.950036 8.73E-05 3 3 0.950036 0 0 1 0
4686 1.57E-05 0.010405 0.989536 4.34E-05 3 3 0.989536 0 0 1 0
4687 4.35E-06 0.335528 0.663777 0.000691 3 3 0.663777 0 0 1 0
4688 6.88E-06 0.494493 0.504831 0.000669 3 3 0.504831 0 0 1 0
4689 9.8E-05 0.195371 0.804445 8.62E-05 3 3 0.804445 0 0 1 0
4690 2.27E-05 0.96797 0.03171 0.000297 2 2 0.96797 0 1 0 0
4691 0.00058 0.047397 0.912593 0.03943 3 3 0.912593 0 0 1 0
4692 0.011874 0.78282 0.196414 0.008893 2 2 0.78282 0 1 0 0
4693 0.008516 0.814347 0.168786 0.008352 2 2 0.814347 0 1 0 0
4694 0.181491 0.072759 0.734078 0.011672 3 3 0.734078 0 0 1 0
4695 0.000169 0.019687 0.98012 2.37E-05 3 3 0.98012 0 0 1 0
4696 0.090765 0.252134 0.655847 0.001254 3 3 0.655847 0 0 1 0
4697 7.92E-05 0.982352 0.012178 0.005391 2 2 0.982352 0 1 0 0
4698 0.000199 0.896736 0.079908 0.023157 2 2 0.896736 0 1 0 0
4699 0.000151 0.932901 0.049859 0.017089 2 2 0.932901 0 1 0 0
4700 0.000218 0.110559 0.797688 0.091535 3 3 0.797688 0 0 1 0
pred 20307
pred 20322
pred 20331
pred 20344
pred 20355
pred 20357
pred 20366
pred 20369
pred 20371
pred 20372
pred 20373
pred 20378
pred 20427
Ready

20427


Batch 3 - predictions
Prediction results using data sheet 20427 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20427: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20427: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4635 0.002886 0.000915 0.989326 0.006874 3 3 0.985326 0 0 1 0
4636 0.010121 0.700207 0.12856 0.161112 2 2 0.700207 0 1 0 0
4637 0.029831 0.857753 0.065302 0.047113 2 2 0.857753 0 1 0 0
4638 0.029421 0.850816 0.071664 0.048099 2 2 0.850816 0 1 0 0
4639 0.014157 0.70216 0.138399 0.145284 2 2 0.70216 0 1 0 0
4640 0.006754 0.398431 0.399642 0.195174 3 3 0.399642 0 0 1 0
4641 0.007361 0.271925 0.65431 0.066404 3 3 0.65431 0 0 1 0
4642 0.027203 0.465592 0.449818 0.057387 2 2 0.465592 0 1 0 0
4643 0.00065 0.107959 0.5867 0.304693 3 3 0.5867 0 0 1 0
4644 0.0603 0.048224 0.850575 0.040901 3 3 0.850575 0 0 1 0
4645 0.697459 0.26786 0.034013 0.000668 1 1 0.697459 1 0 0 0
4646 0.882806 0.109677 0.007356 0.000161 1 1 0.882806 1 0 0 0
4647 0.956512 0.040343 0.003114 3.14E-05 1 1 0.956512 1 0 0 0
4648 0.981552 0.016255 0.002186 7.08E-06 1 1 0.981552 1 0 0 0
4649 0.829129 0.154869 0.01575 0.000252 1 1 0.829129 1 0 0 0
4650 0.218853 0.575743 0.201675 0.003728 2 2 0.575743 0 1 0 0
4651 0.174587 0.009237 0.815341 0.000836 3 3 0.815341 0 0 1 0
4652 0.171512 0.061927 0.762328 0.004233 3 3 0.762328 0 0 1 0
4653 0.148356 0.025675 0.822681 0.003288 3 3 0.822681 0 0 1 0
4654 0.138766 0.049229 0.806906 0.005099 3 3 0.806906 0 0 1 0
4655 0.533726 0.361255 0.104169 0.000851 1 1 0.533726 1 0 0 0
4656 0.983529 0.013261 0.003206 4.32E-06 1 1 0.983529 1 0 0 0
4657 0.990141 0.006304 0.003553 1.68E-06 1 1 0.990141 1 0 0 0
4658 0.976381 0.020956 0.00265 1.21E-05 1 1 0.976381 1 0 0 0
4659 0.52356 0.464216 0.010549 0.001675 1 1 0.52356 1 0 0 0
4660 0.064943 0.02796 0.900948 0.00615 3 3 0.900948 0 0 1 0
4661 0.052481 0.119446 0.795152 0.032921 3 3 0.795152 0 0 1 0
4662 0.004145 0.081802 0.913998 5.47E-05 3 3 0.913998 0 0 1 0
4663 0.433849 0.038722 0.526331 0.001099 3 3 0.526331 0 0 1 0
4664 0.269808 0.512199 0.215737 0.002256 2 2 0.512199 0 1 0 0
pred 20307 pred 20322 pred 20331 pred 20344 pred 20355 pred 20357 pred 20366 pred 20369 pred 20371 pred 20372 pred 20373 pred 20378 pred 20427
Ready

Book 1

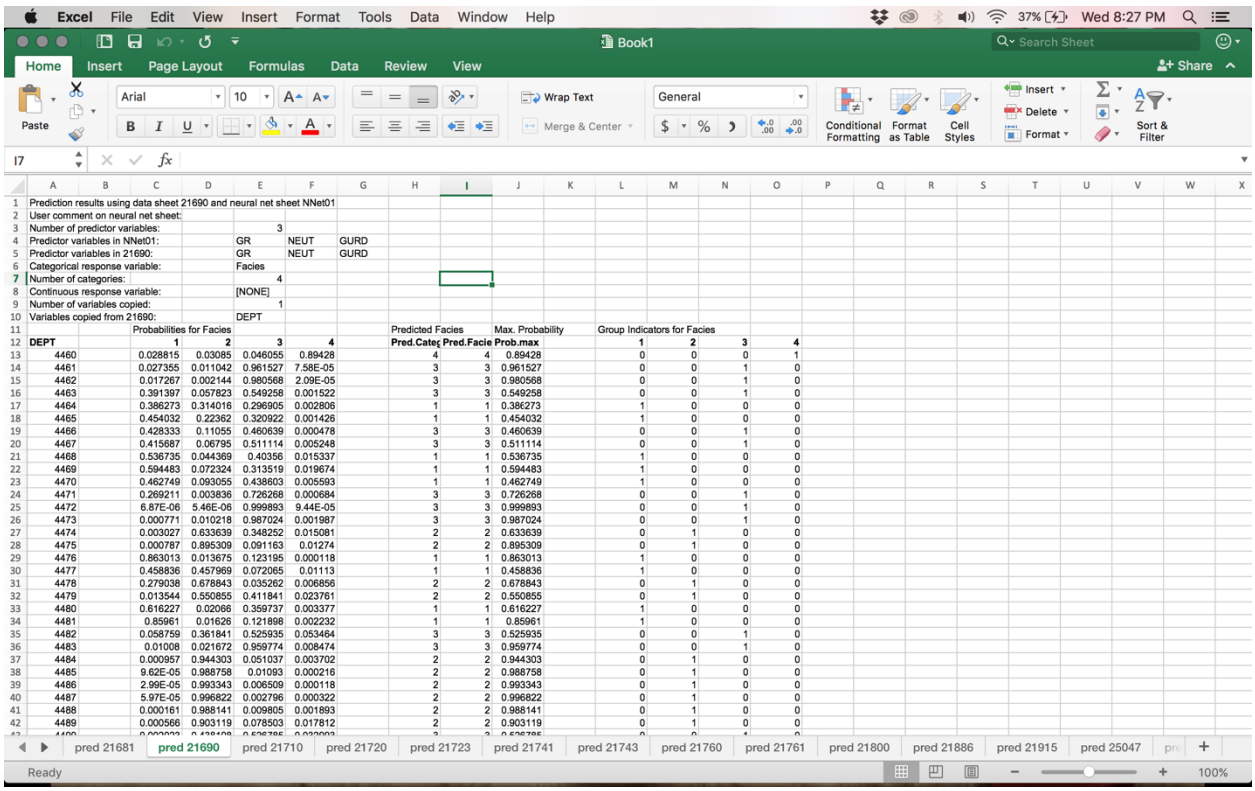
21681



Prediction results using data sheet 21681 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21681: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21681: DEPT

DEPT	Probabilities for Facies 1	2	3	4	Predicted Facies Pred.Categ	Pred.Facie	Max. Probability Prob.max	Group Indicators for Facies 1	2	3	4
4515	1.84E-07	0.999953	4.63E-05	1.46E-07	2	2	0.999953	0	1	0	0
4516	0.000143	0.869634	0.124671	0.005553	2	2	0.869634	0	1	0	0
4517	0.065571	0.456852	0.471258	0.006319	3	3	0.471258	0	0	1	0
4518	0.823128	0.14477	0.030392	0.00171	1	1	0.823128	1	0	0	0
4519	0.376684	0.593115	0.026524	0.003677	2	2	0.593115	0	1	0	0
4520	0.000591	0.582558	0.414882	0.001969	2	2	0.582558	0	1	0	0
4521	0.001797	0.109128	0.887231	0.001844	3	3	0.887231	0	0	1	0
4522	0.003945	0.22249	0.193047	0.580518	4	4	0.580518	0	0	0	1
4523	0.000812	0.53351	0.432063	0.033616	2	2	0.53351	0	1	0	0
4524	0.010864	0.742459	0.230372	0.016305	2	2	0.742459	0	1	0	0
4525	0.019269	0.893672	0.069675	0.017384	2	2	0.893672	0	1	0	0
4526	0.060192	0.897155	0.029846	0.012807	2	2	0.897155	0	1	0	0
4527	0.017333	0.92935	0.038567	0.01475	2	2	0.92935	0	1	0	0
4528	0.023788	0.926312	0.035423	0.014477	2	2	0.926312	0	1	0	0
4529	0.002679	0.893769	0.098193	0.005359	2	2	0.893769	0	1	0	0
4530	0.000946	0.122052	0.876583	0.00042	3	3	0.876583	0	0	1	0
4531	0.001305	0.033711	0.964836	0.000147	3	3	0.964836	0	0	1	0
4532	0.000877	0.041511	0.957484	0.000128	3	3	0.957484	0	0	1	0
4533	0.027232	0.342108	0.627082	0.003579	3	3	0.627082	0	0	1	0
4534	0.032434	0.061127	0.884602	0.021838	3	3	0.884602	0	0	1	0
4535	0.000227	0.040027	0.877048	0.082698	3	3	0.877048	0	0	1	0
4536	0.100016	0.037948	0.849222	0.012813	3	3	0.849222	0	0	1	0
4537	3.13E-05	0.513174	0.176574	0.310221	2	2	0.513174	0	1	0	0
4538	0.00393	0.0307	0.940081	0.025289	3	3	0.940081	0	0	1	0
4539	0.016805	0.13144	0.728994	0.122761	3	3	0.728994	0	0	1	0
4540	0.04534	0.880607	0.046025	0.028028	2	2	0.880607	0	1	0	0
4541	0.046609	0.913051	0.029848	0.010493	2	2	0.913051	0	1	0	0
4542	0.048382	0.529288	0.411912	0.010418	2	2	0.529288	0	1	0	0
4543	0.478235	0.44651	0.067706	0.007549	1	1	0.478235	1	0	0	0
4544	0.712418	0.273506	0.013167	0.000909	1	1	0.712418	1	0	0	0

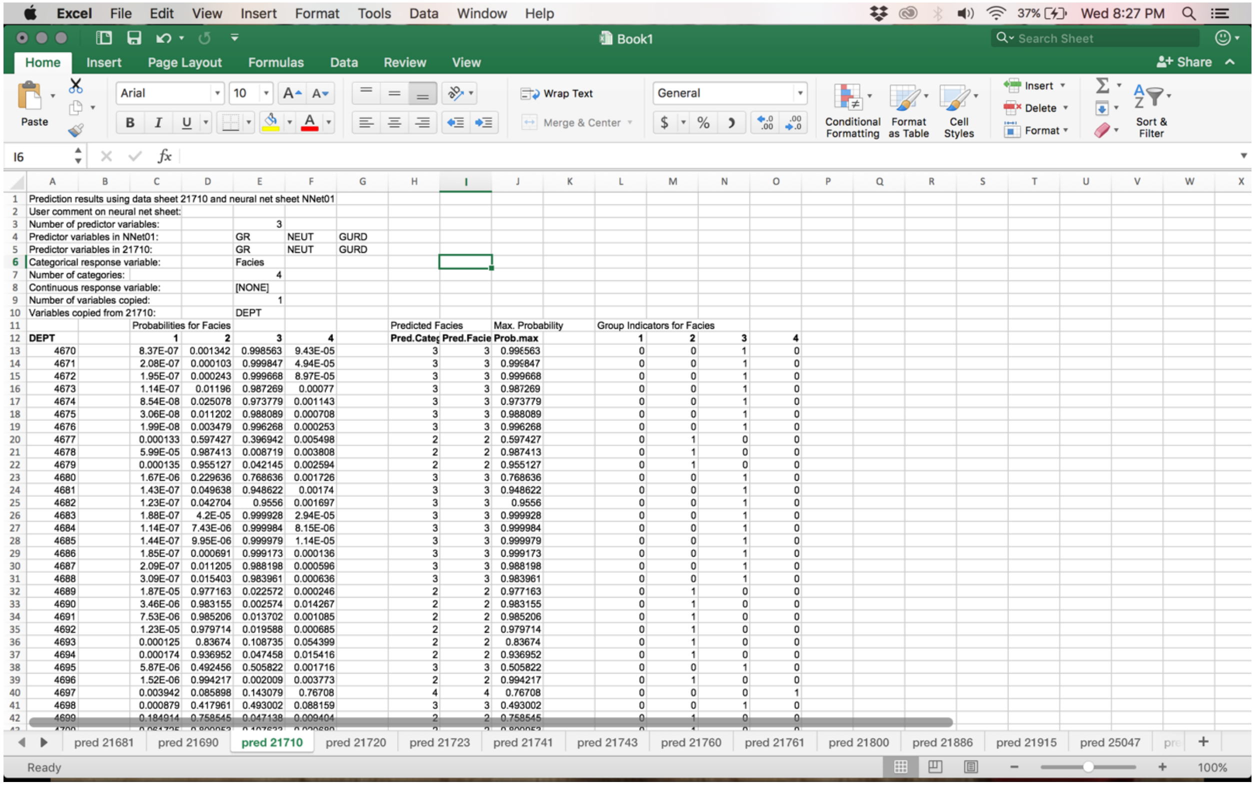
21690



Prediction results using data sheet 21690 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21690: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21690: DEPT

DEPT	Probabilities for Facies 1	2	3	4	Predicted Facies Pred.Categ	Pred.Facie	Max. Probability Prob.max	Group Indicators for Facies 1	2	3	4
4460	0.028815	0.03085	0.046055	0.89428	4	4	0.89428	0	0	0	1
4461	0.027355	0.011042	0.961527	7.58E-05	3	3	0.961527	0	0	1	0
4462	0.017267	0.002144	0.980568	2.09E-05	3	3	0.980568	0	0	1	0
4463	0.391397	0.057823	0.549258	0.001522	3	3	0.549258	0	0	1	0
4464	0.386273	0.314016	0.296905	0.002806	1	1	0.386273	1	0	0	0
4465	0.454032	0.22362	0.320922	0.001426	1	1	0.454032	1	0	0	0
4466	0.428333	0.11055	0.460639	0.000478	3	3	0.460639	0	0	1	0
4467	0.415687	0.06795	0.511114	0.005248	3	3	0.511114	0	0	1	0
4468	0.536735	0.044369	0.40356	0.015337	1	1	0.536735	1	0	0	0
4469	0.594483	0.072324	0.313519	0.019674	1	1	0.594483	1	0	0	0
4470	0.462749	0.093055	0.438603	0.005593	1	1	0.462749	1	0	0	0
4471	0.269211	0.003836	0.726268	0.000684	3	3	0.726268	0	0	1	0
4472	6.87E-06	5.46E-06	0.999893	9.44E-05	3	3	0.999893	0	0	1	0
4473	0.000771	0.010218	0.987024	0.001987	3	3	0.987024	0	0	1	0
4474	0.003027	0.633639	0.348252	0.015081	2	2	0.633639	0	1	0	0
4475	0.000787	0.895309	0.091163	0.01274	2	2	0.895309	0	1	0	0
4476	0.863013	0.013675	0.123195	0.000118	1	1	0.863013	1	0	0	0
4477	0.458836	0.457969	0.072065	0.01113	1	1	0.458836	1	0	0	0
4478	0.279038	0.678843	0.035262	0.006856	2	2	0.678843	0	1	0	0
4479	0.013544	0.550855	0.411841	0.023761	2	2	0.550855	0	1	0	0
4480	0.616227	0.02066	0.359737	0.003377	1	1	0.616227	1	0	0	0
4481	0.85961	0.01626	0.121898	0.002232	1	1	0.85961	1	0	0	0
4482	0.058759	0.361841	0.525935	0.053464	3	3	0.525935	0	0	1	0
4483	0.01008	0.021672	0.959774	0.008474	3	3	0.959774	0	0	1	0
4484	0.000957	0.944303	0.051037	0.003702	2	2	0.944303	0	1	0	0
4485	9.62E-05	0.988758	0.01093	0.000216	2	2	0.988758	0	1	0	0
4486	2.99E-05	0.993343	0.006509	0.000118	2	2	0.993343	0	1	0	0
4487	5.97E-05	0.996822	0.002796	0.000322	2	2	0.996822	0	1	0	0
4488	0.000161	0.988141	0.009805	0.001893	2	2	0.988141	0	1	0	0
4489	0.000566	0.903119	0.078503	0.017812	2	2	0.903119	0	1	0	0

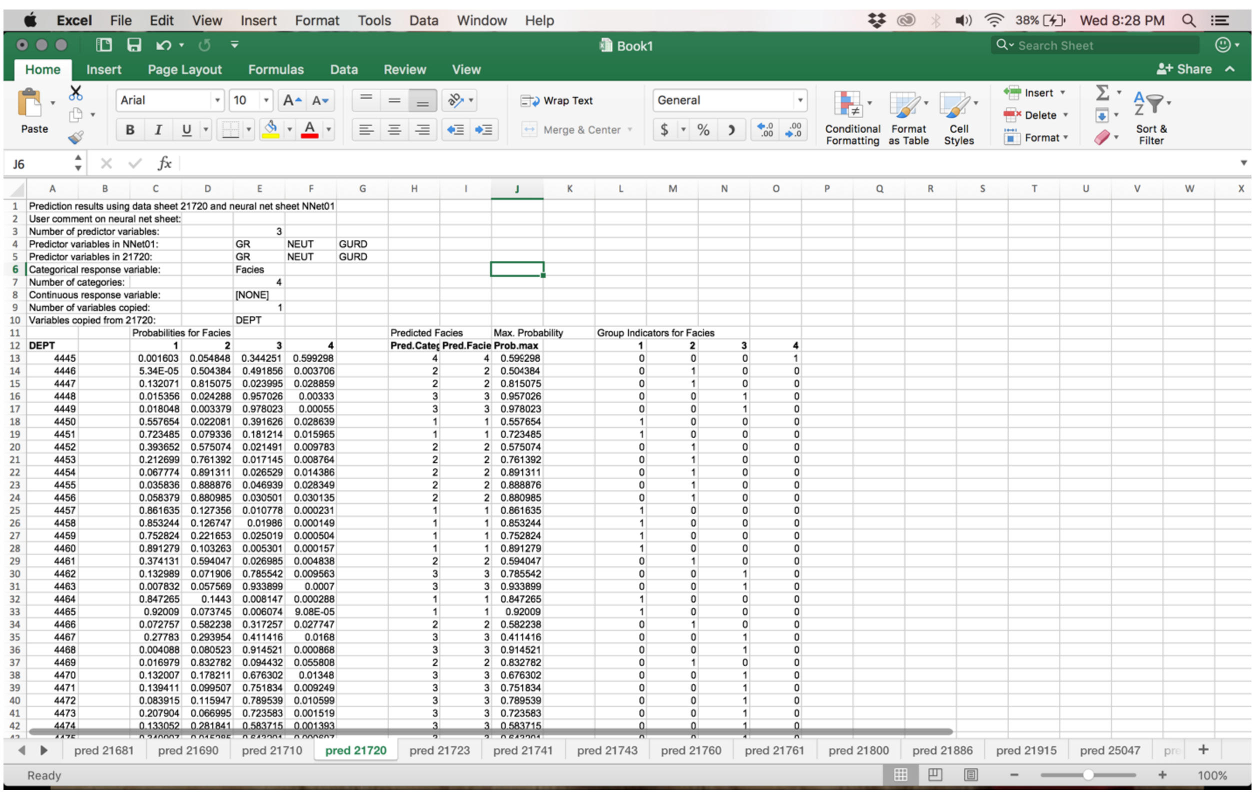
21710



Prediction results using data sheet 21710 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21710: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21710: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4670	8.37E-07	0.001342	0.998563	9.43E-05	3	3	0.998563	0	0	1	0
4671	2.08E-07	0.000103	0.999847	4.94E-05	3	3	0.999847	0	0	1	0
4672	1.95E-07	0.000243	0.999668	8.97E-05	3	3	0.999668	0	0	1	0
4673	1.14E-07	0.01196	0.987269	0.00077	3	3	0.987269	0	0	1	0
4674	8.54E-08	0.025078	0.973779	0.001143	3	3	0.973779	0	0	1	0
4675	3.06E-08	0.011202	0.988089	0.000708	3	3	0.988089	0	0	1	0
4676	1.99E-08	0.003479	0.996268	0.000253	3	3	0.996268	0	0	1	0
4677	0.000133	0.597427	0.396942	0.005498	2	2	0.597427	0	1	0	0
4678	5.99E-05	0.987413	0.008719	0.003808	2	2	0.987413	0	1	0	0
4679	0.000135	0.955127	0.042145	0.002594	2	2	0.955127	0	1	0	0
4680	1.67E-06	0.229636	0.768636	0.001726	3	3	0.768636	0	0	1	0
4681	1.43E-07	0.049638	0.948622	0.00174	3	3	0.948622	0	0	1	0
4682	1.23E-07	0.042704	0.9556	0.001697	3	3	0.9556	0	0	1	0
4683	1.88E-07	4.2E-05	0.999928	2.94E-05	3	3	0.999928	0	0	1	0
4684	1.14E-07	7.43E-06	0.999984	8.15E-06	3	3	0.999984	0	0	1	0
4685	1.44E-07	9.95E-06	0.999979	1.14E-05	3	3	0.999979	0	0	1	0
4686	1.85E-07	0.000691	0.999173	0.000136	3	3	0.999173	0	0	1	0
4687	2.09E-07	0.011205	0.988198	0.000596	3	3	0.988198	0	0	1	0
4688	3.09E-07	0.015403	0.983961	0.000636	3	3	0.983961	0	0	1	0
4689	1.87E-05	0.977163	0.022572	0.000246	2	2	0.977163	0	1	0	0
4690	3.46E-06	0.983155	0.002574	0.014267	2	2	0.983155	0	1	0	0
4691	7.53E-06	0.985206	0.013702	0.001085	2	2	0.985206	0	1	0	0
4692	1.23E-05	0.979714	0.019588	0.000685	2	2	0.979714	0	1	0	0
4693	0.000125	0.83674	0.108735	0.054399	2	2	0.83674	0	1	0	0
4694	0.000174	0.936952	0.047458	0.015416	2	2	0.936952	0	1	0	0
4695	5.87E-06	0.492456	0.505822	0.001716	3	3	0.505822	0	0	1	0
4696	1.52E-06	0.994217	0.002009	0.003773	2	2	0.994217	0	1	0	0
4697	0.003942	0.085898	0.143079	0.76708	4	4	0.76708	0	0	0	1
4698	0.000879	0.417961	0.493002	0.088159	3	3	0.493002	0	0	1	0
4699	0.184914	0.758545	0.047138	0.009404	2	2	0.758545	0	1	0	0

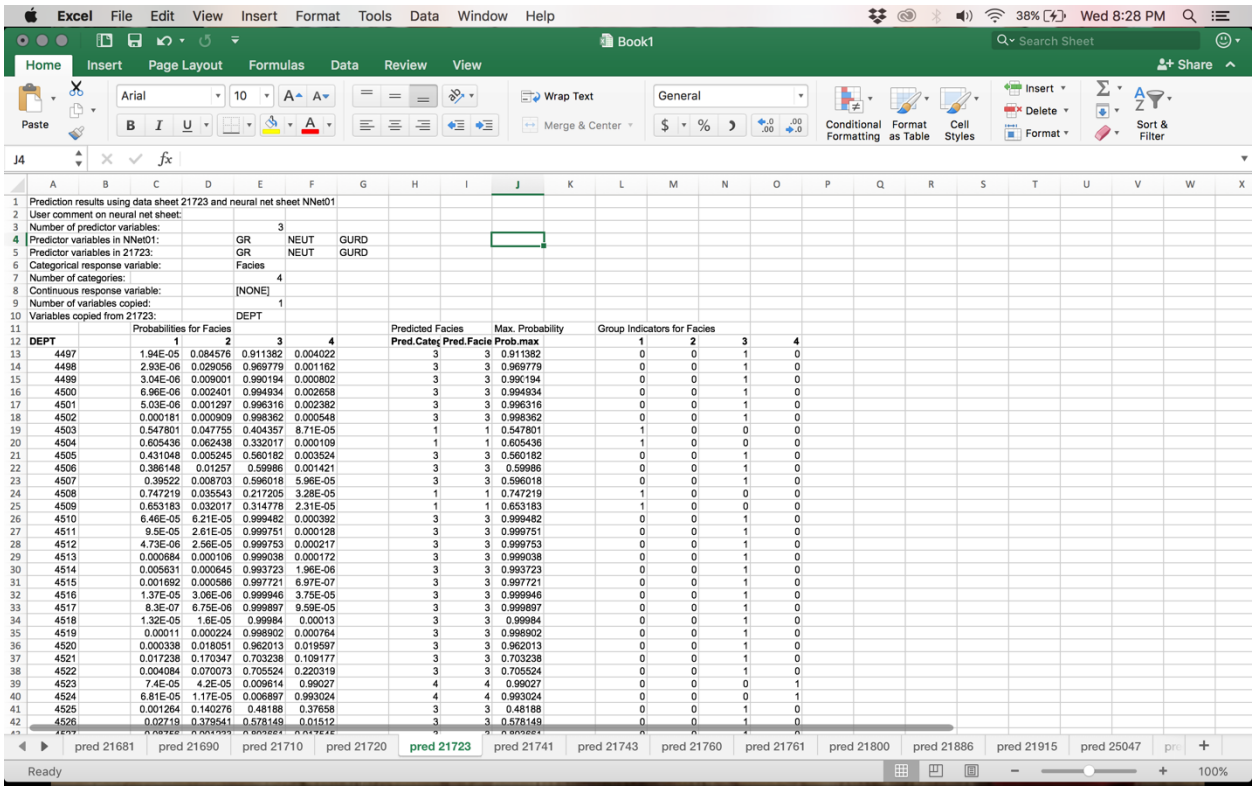
21720



Prediction results using data sheet 21720 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21720: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21720: DEPT

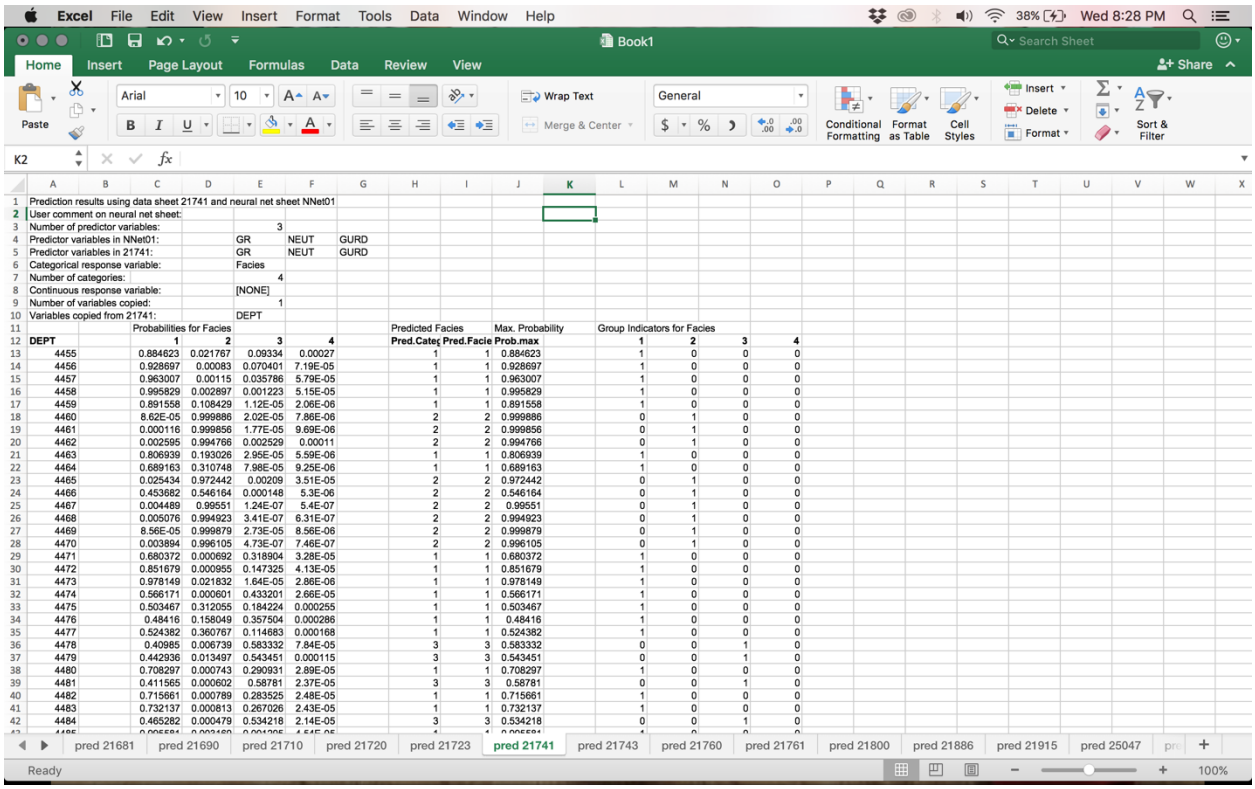
	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4445	0.001603	0.054848	0.344251	0.599298	4	4	0.599298	0	0	0	1
4446	5.34E-05	0.504384	0.491856	0.003706	2	2	0.504384	0	1	0	0
4447	0.132071	0.815075	0.023995	0.028859	2	2	0.815075	0	1	0	0
4448	0.015356	0.024288	0.957026	0.00333	3	3	0.957026	0	0	1	0
4449	0.018048	0.003379	0.978023	0.00055	3	3	0.978023	0	0	1	0
4450	0.557654	0.022081	0.391626	0.028639	1	1	0.557654	1	0	0	0
4451	0.723485	0.079336	0.181214	0.015965	1	1	0.723485	1	0	0	0
4452	0.393652	0.575074	0.021491	0.009783	2	2	0.575074	0	1	0	0
4453	0.212699	0.761392	0.017145	0.008764	2	2	0.761392	0	1	0	0
4454	0.067774	0.891311	0.026529	0.014386	2	2	0.891311	0	1	0	0
4455	0.035836	0.888876	0.046939	0.028349	2	2	0.888876	0	1	0	0
4456	0.058379	0.880985	0.030501	0.030135	2	2	0.880985	0	1	0	0
4457	0.861635	0.127356	0.010778	0.000231	1	1	0.861635	1	0	0	0
4458	0.853244	0.126747	0.01986	0.000149	1	1	0.853244	1	0	0	0
4459	0.752824	0.221653	0.025019	0.000504	1	1	0.752824	1	0	0	0
4460	0.891279	0.103263	0.005301	0.000157	1	1	0.891279	1	0	0	0
4461	0.374131	0.594047	0.026985	0.004838	2	2	0.594047	0	1	0	0
4462	0.132989	0.071906	0.785542	0.009563	3	3	0.785542	0	0	1	0
4463	0.007832	0.057569	0.933899	0.0007	3	3	0.933899	0	0	1	0
4464	0.847265	0.1443	0.008147	0.000288	1	1	0.847265	1	0	0	0
4465	0.92009	0.073745	0.006074	9.08E-05	1	1	0.92009	1	0	0	0
4466	0.072757	0.582238	0.317257	0.027747	2	2	0.582238	0	1	0	0
4467	0.27783	0.293954	0.411416	0.0168	3	3	0.411416	0	0	1	0
4468	0.004088	0.080523	0.914521	0.000868	3	3	0.914521	0	0	1	0
4469	0.016979	0.832782	0.094432	0.055808	2	2	0.832782	0	1	0	0
4470	0.132007	0.178211	0.676302	0.01348	3	3	0.676302	0	0	1	0
4471	0.139411	0.099507	0.751834	0.009249	3	3	0.751834	0	0	1	0
4472	0.083915	0.115947	0.789539	0.010599	3	3	0.789539	0	0	1	0
4473	0.207904	0.066995	0.723583	0.001519	3	3	0.723583	0	0	1	0
4474	0.133052	0.281841	0.583715	0.001393	3	3	0.583715	0	0	1	0

21723

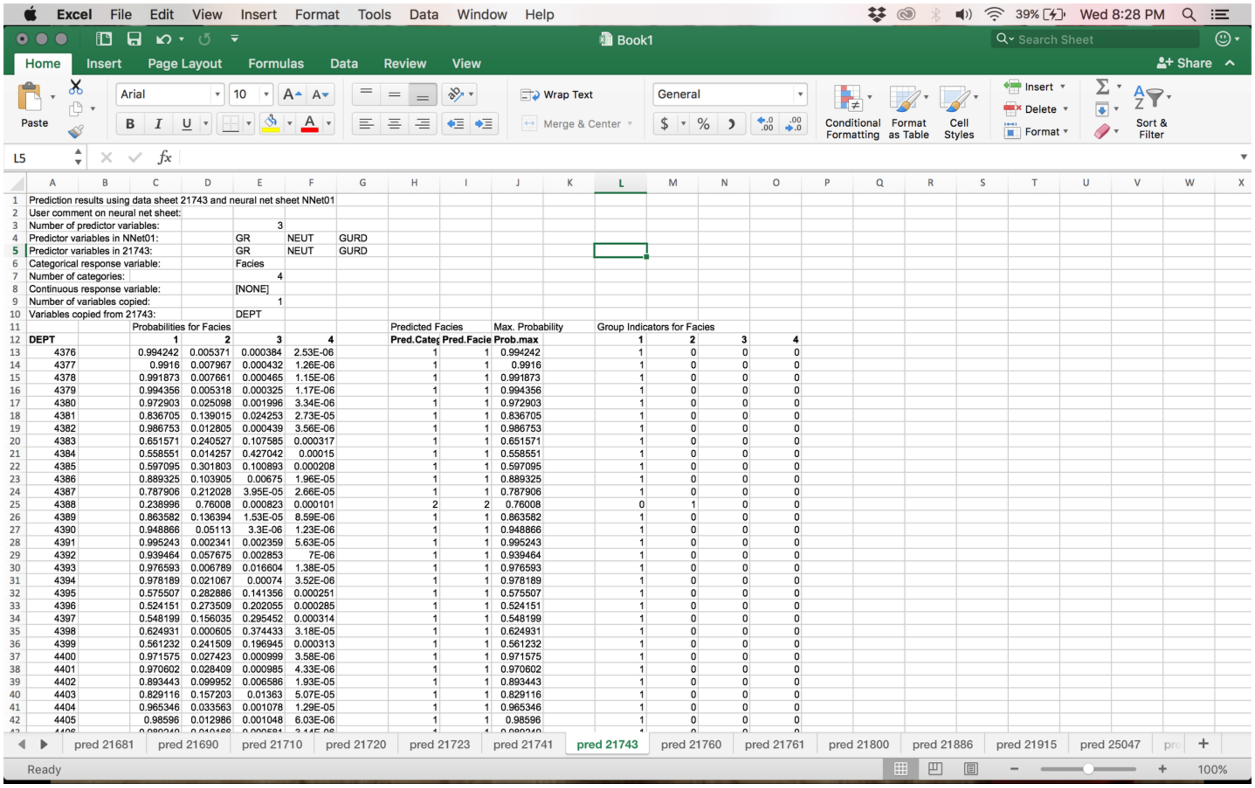


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21723 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21723:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21723:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4497		1.94E-05	0.084576	0.911382	0.004022		3	3	0.911382		0	0	1	0									
14	4498		2.93E-06	0.029056	0.969779	0.001162		3	3	0.969779		0	0	1	0									
15	4499		3.04E-06	0.009001	0.990194	0.000802		3	3	0.990194		0	0	1	0									
16	4500		6.96E-06	0.002401	0.994934	0.002658		3	3	0.994934		0	0	1	0									
17	4501		5.03E-06	0.001297	0.996316	0.002382		3	3	0.996316		0	0	1	0									
18	4502		0.000181	0.000909	0.998362	0.000548		3	3	0.998362		0	0	1	0									
19	4503		0.547801	0.047755	0.404357	8.71E-05		1	1	0.547801		1	0	0	0									
20	4504		0.605436	0.062438	0.332017	0.000109		1	1	0.605436		1	0	0	0									
21	4505		0.431048	0.005245	0.560182	0.003524		3	3	0.560182		0	0	1	0									
22	4506		0.386148	0.01257	0.59986	0.001421		3	3	0.59986		0	0	1	0									
23	4507		0.39522	0.008703	0.596018	5.96E-05		3	3	0.596018		0	0	1	0									
24	4508		0.747219	0.035543	0.217205	3.28E-05		1	1	0.747219		1	0	0	0									
25	4509		0.653183	0.032017	0.314778	2.31E-05		1	1	0.653183		1	0	0	0									
26	4510		6.46E-05	6.21E-05	0.999482	0.000392		3	3	0.999482		0	0	1	0									
27	4511		9.5E-05	2.61E-05	0.999751	0.000128		3	3	0.999751		0	0	1	0									
28	4512		4.73E-06	2.56E-05	0.999753	0.000217		3	3	0.999753		0	0	1	0									
29	4513		0.000684	0.000106	0.999038	0.000172		3	3	0.999038		0	0	1	0									
30	4514		0.005631	0.000645	0.993723	1.96E-06		3	3	0.993723		0	0	1	0									
31	4515		0.001692	0.000586	0.997721	6.97E-07		3	3	0.997721		0	0	1	0									
32	4516		1.37E-05	3.06E-06	0.999946	3.75E-05		3	3	0.999946		0	0	1	0									
33	4517		8.3E-07	6.75E-06	0.999897	9.59E-05		3	3	0.999897		0	0	1	0									
34	4518		1.32E-05	1.6E-05	0.99984	0.00013		3	3	0.99984		0	0	1	0									
35	4519		0.00011	0.000224	0.998902	0.000764		3	3	0.998902		0	0	1	0									
36	4520		0.000338	0.018051	0.962013	0.019597		3	3	0.962013		0	0	1	0									
37	4521		0.017238	0.170347	0.703238	0.109177		3	3	0.703238		0	0	1	0									
38	4522		0.004084	0.070073	0.705524	0.220319		3	3	0.705524		0	0	1	0									
39	4523		7.4E-05	4.2E-05	0.009614	0.99027		4	4	0.99027		0	0	0	1									
40	4524		6.81E-05	1.17E-05	0.006897	0.993024		4	4	0.993024		0	0	0	1									
41	4525		0.001264	0.140276	0.48188	0.37658		3	3	0.48188		0	0	1	0									
42	4526		0.02719	0.379541	0.578149	0.01512		3	3	0.578149		0	0	1	0									

21741


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:28 PM
Book1
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
K2
Prediction results using data sheet 21741 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21741: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21741: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4455 0.884623 0.021767 0.09334 0.00027 1 1 0.884623 1 0 0 0
4456 0.928697 0.00083 0.070401 7.19E-05 1 1 0.928697 1 0 0 0
4457 0.963007 0.00115 0.035786 5.79E-05 1 1 0.963007 1 0 0 0
4458 0.995829 0.002897 0.001223 5.15E-05 1 1 0.995829 1 0 0 0
4459 0.891558 0.108429 1.12E-05 2.06E-06 1 1 0.891558 1 0 0 0
4460 8.62E-05 0.999886 2.02E-05 7.86E-06 2 2 0.999886 0 1 0 0
4461 0.000116 0.999856 1.77E-05 9.69E-06 2 2 0.999856 0 1 0 0
4462 0.002595 0.994766 0.002529 0.00011 2 2 0.994766 0 1 0 0
4463 0.806939 0.193026 2.95E-05 5.59E-06 1 1 0.806939 1 0 0 0
4464 0.689163 0.310748 7.98E-05 9.25E-06 1 1 0.689163 1 0 0 0
4465 0.025434 0.972442 0.00209 3.51E-05 2 2 0.972442 0 1 0 0
4466 0.453682 0.546164 0.000148 5.3E-06 2 2 0.546164 0 1 0 0
4467 0.004489 0.99551 1.24E-07 5.4E-07 2 2 0.99551 0 1 0 0
4468 0.005076 0.994923 3.41E-07 6.31E-07 2 2 0.994923 0 1 0 0
4469 8.56E-05 0.999879 2.73E-05 8.56E-06 2 2 0.999879 0 1 0 0
4470 0.003894 0.996105 4.73E-07 7.46E-07 2 2 0.996105 0 1 0 0
4471 0.680372 0.000692 0.318904 3.28E-05 1 1 0.680372 1 0 0 0
4472 0.851679 0.000955 0.147325 4.13E-05 1 1 0.851679 1 0 0 0
4473 0.978149 0.021832 1.64E-05 2.86E-06 1 1 0.978149 1 0 0 0
4474 0.566171 0.000601 0.433201 2.66E-05 1 1 0.566171 1 0 0 0
4475 0.503467 0.312055 0.184224 0.000255 1 1 0.503467 1 0 0 0
4476 0.48416 0.158049 0.357504 0.000286 1 1 0.48416 1 0 0 0
4477 0.524382 0.360767 0.114683 0.000168 1 1 0.524382 1 0 0 0
4478 0.40985 0.006739 0.583332 7.84E-05 3 3 0.583332 0 0 1 0
4479 0.442936 0.013497 0.543451 0.000115 3 3 0.543451 0 0 1 0
4480 0.708297 0.000743 0.290931 2.89E-05 1 1 0.708297 1 0 0 0
4481 0.411565 0.000602 0.58781 2.37E-05 3 3 0.58781 0 0 1 0
4482 0.715661 0.000789 0.283525 2.48E-05 1 1 0.715661 1 0 0 0
4483 0.732137 0.000813 0.267026 2.43E-05 1 1 0.732137 1 0 0 0
4484 0.465282 0.000479 0.534218 2.14E-05 3 3 0.534218 0 0 1 0
pred 21681 pred 21690 pred 21710 pred 21720 pred 21723 pred 21741 pred 21743 pred 21760 pred 21761 pred 21800 pred 21886 pred 21915 pred 25047
Ready
100%

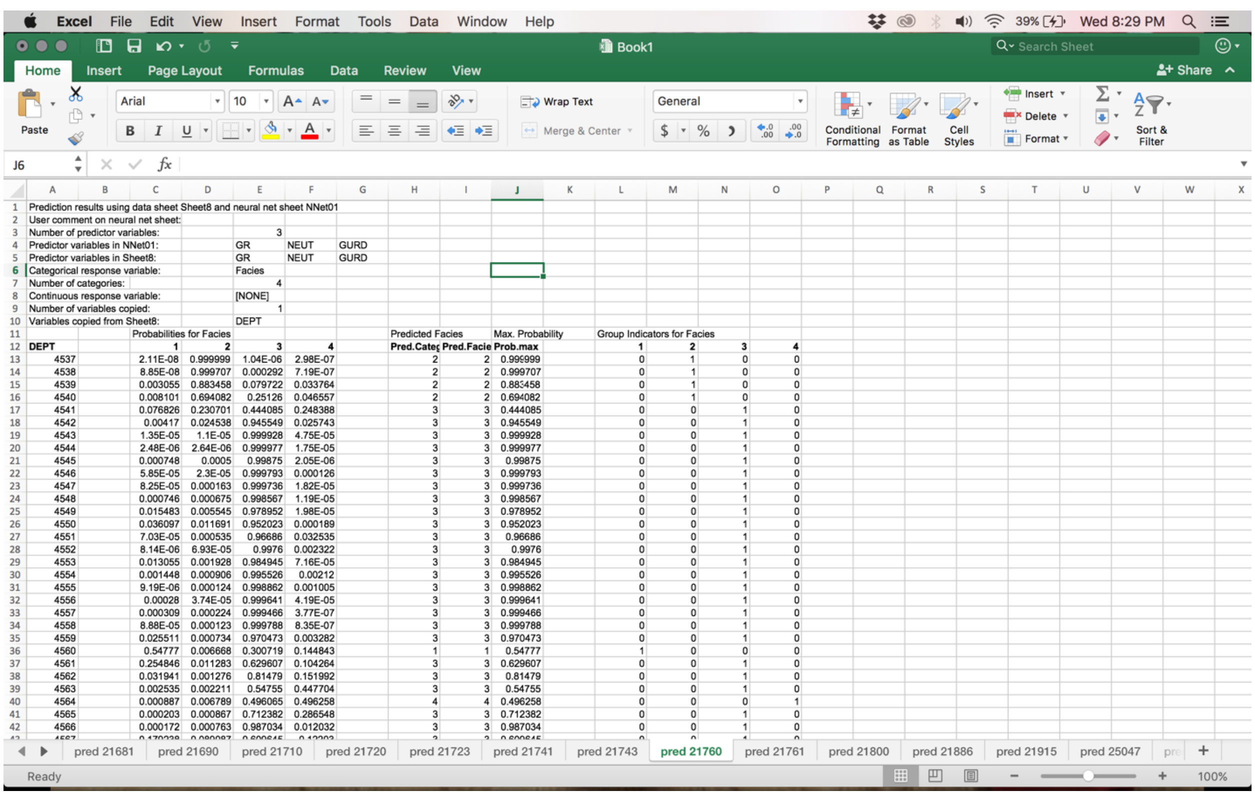
21743



Prediction results using data sheet 21743 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21743: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21743: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4376	0.994242	0.005371	0.000384	2.53E-06	1	1	0.994242	1	0	0	0
4377	0.9916	0.007967	0.000432	1.26E-06	1	1	0.9916	1	0	0	0
4378	0.991873	0.007661	0.000465	1.15E-06	1	1	0.991873	1	0	0	0
4379	0.994356	0.005318	0.000325	1.17E-06	1	1	0.994356	1	0	0	0
4380	0.972903	0.025098	0.001996	3.34E-06	1	1	0.972903	1	0	0	0
4381	0.836705	0.139015	0.024253	2.73E-05	1	1	0.836705	1	0	0	0
4382	0.986753	0.012805	0.000439	3.56E-06	1	1	0.986753	1	0	0	0
4383	0.651571	0.240527	0.107585	0.000317	1	1	0.651571	1	0	0	0
4384	0.558551	0.014257	0.427042	0.00015	1	1	0.558551	1	0	0	0
4385	0.597095	0.301803	0.100893	0.000208	1	1	0.597095	1	0	0	0
4386	0.889325	0.103905	0.00675	1.96E-05	1	1	0.889325	1	0	0	0
4387	0.787906	0.212028	3.95E-05	2.66E-05	1	1	0.787906	1	0	0	0
4388	0.238996	0.76008	0.000823	0.000101	2	2	0.76008	0	1	0	0
4389	0.863582	0.136394	1.53E-05	8.59E-06	1	1	0.863582	1	0	0	0
4390	0.948866	0.05113	3.3E-06	1.23E-06	1	1	0.948866	1	0	0	0
4391	0.995243	0.002341	0.002359	5.63E-05	1	1	0.995243	1	0	0	0
4392	0.939464	0.057675	0.002853	7E-06	1	1	0.939464	1	0	0	0
4393	0.976593	0.006789	0.016604	1.38E-05	1	1	0.976593	1	0	0	0
4394	0.978189	0.021067	0.00074	3.52E-06	1	1	0.978189	1	0	0	0
4395	0.575507	0.282886	0.141356	0.000251	1	1	0.575507	1	0	0	0
4396	0.524151	0.273509	0.202055	0.000285	1	1	0.524151	1	0	0	0
4397	0.548199	0.156035	0.295452	0.000314	1	1	0.548199	1	0	0	0
4398	0.624931	0.000605	0.374433	3.18E-05	1	1	0.624931	1	0	0	0
4399	0.561232	0.241509	0.196945	0.000313	1	1	0.561232	1	0	0	0
4400	0.971575	0.027423	0.000999	3.58E-06	1	1	0.971575	1	0	0	0
4401	0.970602	0.028409	0.000985	4.33E-06	1	1	0.970602	1	0	0	0
4402	0.893443	0.099952	0.006586	1.93E-05	1	1	0.893443	1	0	0	0
4403	0.829116	0.157203	0.01363	5.07E-05	1	1	0.829116	1	0	0	0
4404	0.965346	0.033563	0.001078	1.29E-05	1	1	0.965346	1	0	0	0
4405	0.98596	0.012986	0.001048	6.03E-06	1	1	0.98596	1	0	0	0

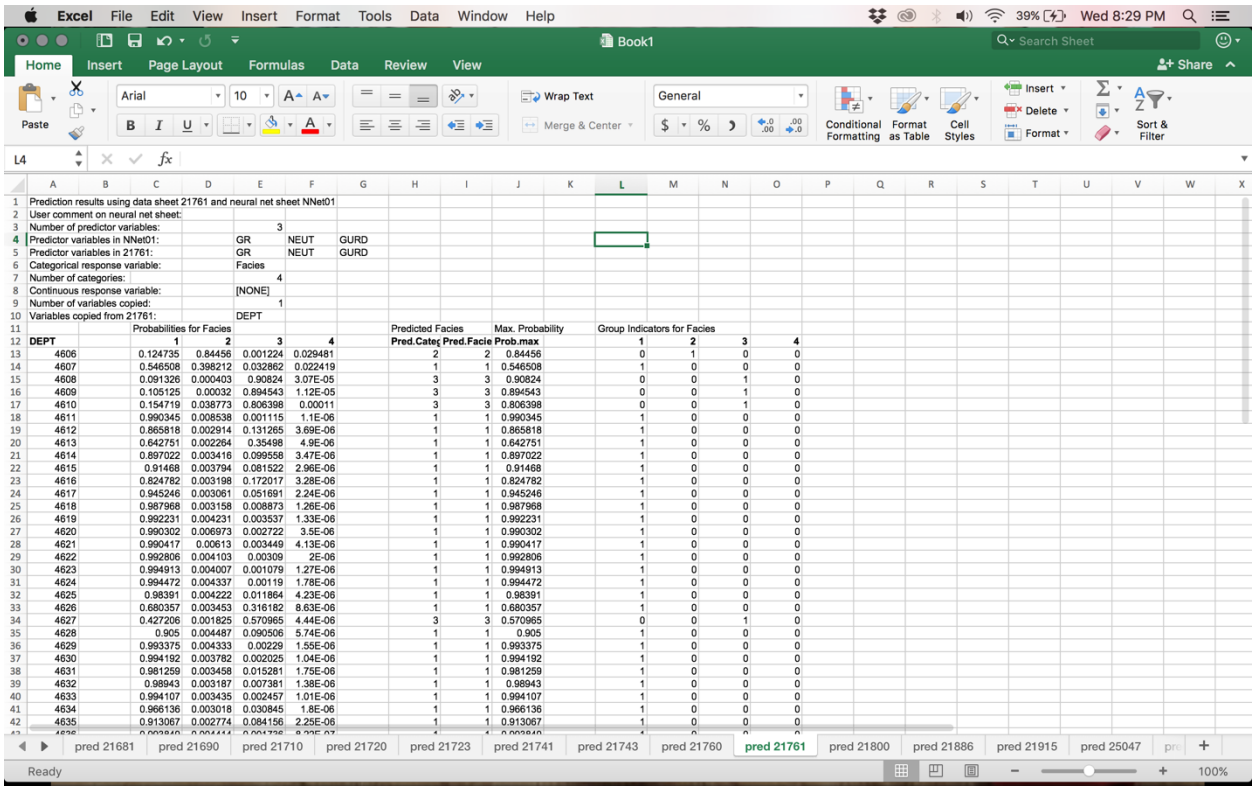
21760



Prediction results using data sheet Sheet8 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in Sheet8: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from Sheet8: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4537	2.11E-08	0.999999	1.04E-06	2.98E-07	2	2	0.999999	0	1	0	0
4538	8.85E-08	0.999707	0.000292	7.19E-07	2	2	0.999707	0	1	0	0
4539	0.003055	0.883458	0.079722	0.033764	2	2	0.883458	0	1	0	0
4540	0.008101	0.694082	0.25126	0.046557	2	2	0.694082	0	1	0	0
4541	0.076826	0.230701	0.444085	0.248388	3	3	0.444085	0	0	1	0
4542	0.00417	0.024538	0.945549	0.025743	3	3	0.945549	0	0	1	0
4543	1.35E-05	1.1E-05	0.999928	4.75E-05	3	3	0.999928	0	0	1	0
4544	2.48E-06	2.64E-06	0.999977	1.75E-05	3	3	0.999977	0	0	1	0
4545	0.000748	0.0005	0.99875	2.05E-06	3	3	0.99875	0	0	1	0
4546	5.85E-05	2.3E-05	0.999793	0.000126	3	3	0.999793	0	0	1	0
4547	8.25E-05	0.000163	0.999736	1.82E-05	3	3	0.999736	0	0	1	0
4548	0.000746	0.000675	0.998567	1.19E-05	3	3	0.998567	0	0	1	0
4549	0.015483	0.005545	0.978952	1.98E-05	3	3	0.978952	0	0	1	0
4550	0.036097	0.011691	0.952023	0.000189	3	3	0.952023	0	0	1	0
4551	7.03E-05	0.000535	0.96686	0.032535	3	3	0.96686	0	0	1	0
4552	8.14E-06	6.93E-05	0.9976	0.002322	3	3	0.9976	0	0	1	0
4553	0.013055	0.001928	0.984945	7.16E-05	3	3	0.984945	0	0	1	0
4554	0.001448	0.000906	0.995526	0.00212	3	3	0.995526	0	0	1	0
4555	9.19E-06	0.000124	0.998862	0.001005	3	3	0.998862	0	0	1	0
4556	0.00028	3.74E-05	0.999641	4.19E-05	3	3	0.999641	0	0	1	0
4557	0.000309	0.000224	0.999466	3.77E-07	3	3	0.999466	0	0	1	0
4558	8.88E-05	0.000123	0.999788	8.35E-07	3	3	0.999788	0	0	1	0
4559	0.025511	0.000734	0.970473	0.003282	3	3	0.970473	0	0	1	0
4560	0.54777	0.006668	0.300719	0.144843	1	1	0.54777	1	0	0	0
4561	0.254846	0.011283	0.629607	0.104264	3	3	0.629607	0	0	1	0
4562	0.031941	0.001276	0.81479	0.151992	3	3	0.81479	0	0	1	0
4563	0.002535	0.002211	0.54755	0.447704	3	3	0.54755	0	0	1	0
4564	0.000887	0.006789	0.496065	0.496258	4	4	0.496258	0	0	0	1
4565	0.000203	0.000867	0.712382	0.286548	3	3	0.712382	0	0	1	0
4566	0.000172	0.000763	0.987034	0.012032	3	3	0.987034	0	0	1	0

21761

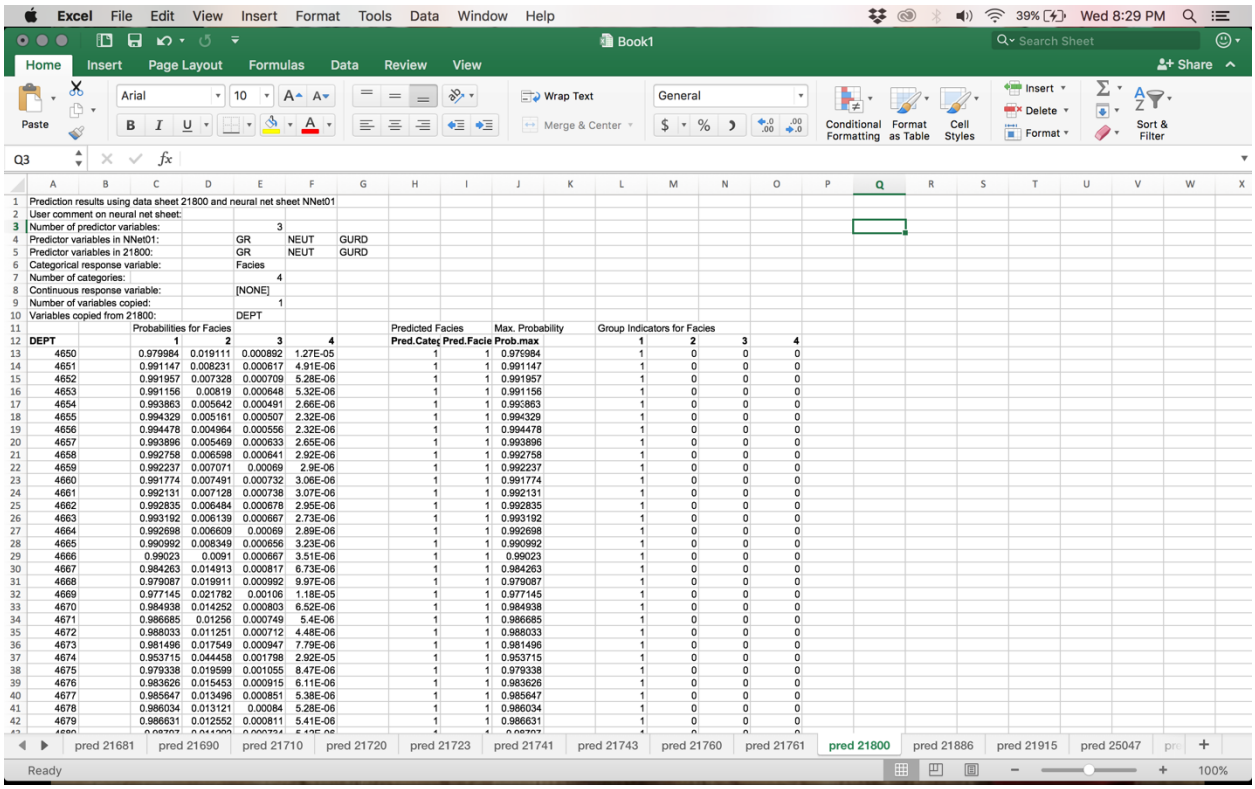


Prediction results using data sheet 21761 and neural net sheet NNet01

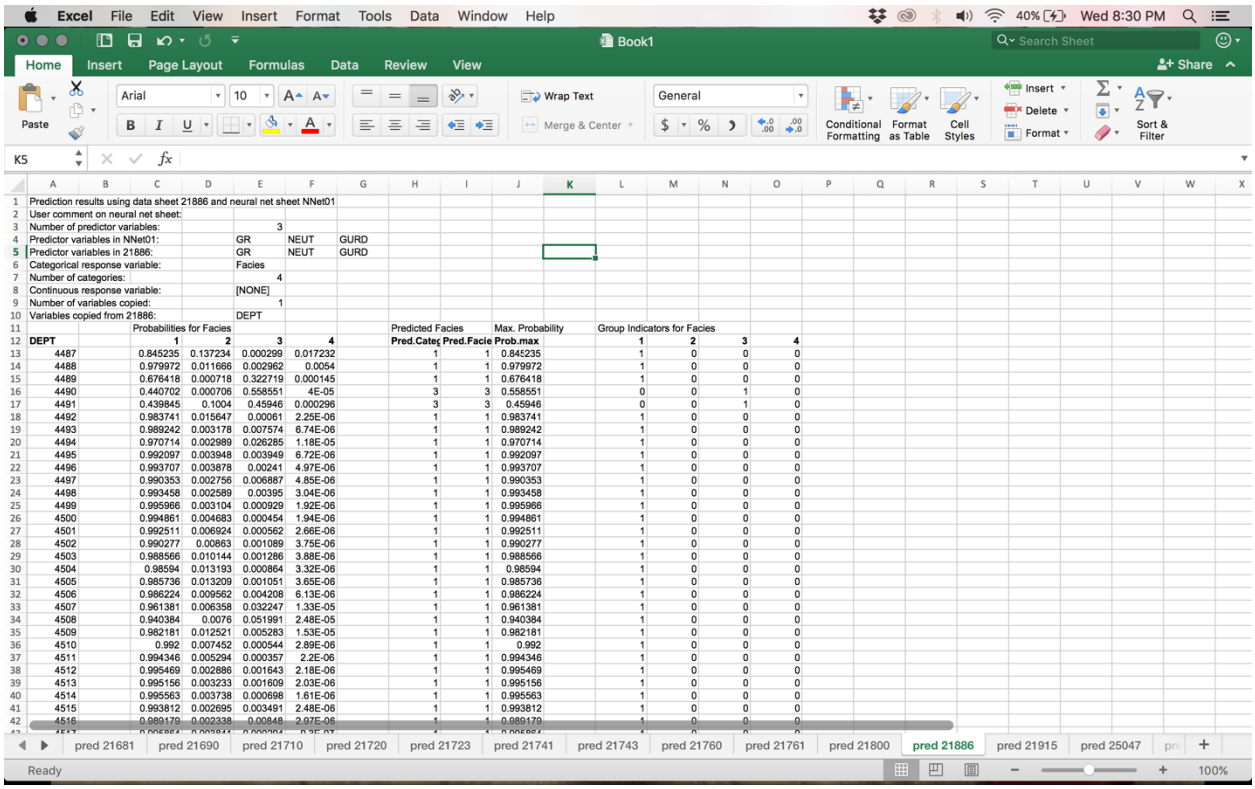
User comment on neural net sheet:	
Number of predictor variables:	3
Predictor variables in NNet01:	GR NEUT GURD
Predictor variables in 21761:	GR NEUT GURD
Categorical response variable:	Facies
Number of categories:	4
Continuous response variable:	[NONE]
Number of variables copied:	1
Variables copied from 21761:	DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4606	0.124735	0.84456	0.001224	0.029481	2	2	0.84456	0	1	0	0
4607	0.546508	0.398212	0.032862	0.022419	1	1	0.546508	1	0	0	0
4608	0.091326	0.000403	0.90824	3.07E-05	3	3	0.90824	0	0	1	0
4609	0.105125	0.00032	0.894543	1.12E-05	3	3	0.894543	0	0	1	0
4610	0.154719	0.038773	0.806398	0.00011	3	3	0.806398	0	0	1	0
4611	0.990345	0.008538	0.001115	1.1E-06	1	1	0.990345	1	0	0	0
4612	0.865818	0.002914	0.131265	3.69E-06	1	1	0.865818	1	0	0	0
4613	0.642751	0.002264	0.35498	4.9E-06	1	1	0.642751	1	0	0	0
4614	0.897022	0.003416	0.099558	3.47E-06	1	1	0.897022	1	0	0	0
4615	0.91468	0.003794	0.081522	2.96E-06	1	1	0.91468	1	0	0	0
4616	0.824782	0.003198	0.172017	3.28E-06	1	1	0.824782	1	0	0	0
4617	0.945246	0.003061	0.051691	2.24E-06	1	1	0.945246	1	0	0	0
4618	0.987968	0.003158	0.008873	1.26E-06	1	1	0.987968	1	0	0	0
4619	0.992231	0.004231	0.003537	1.33E-06	1	1	0.992231	1	0	0	0
4620	0.990302	0.006973	0.002722	3.5E-06	1	1	0.990302	1	0	0	0
4621	0.990417	0.00613	0.003449	4.13E-06	1	1	0.990417	1	0	0	0
4622	0.992806	0.004103	0.00309	2E-06	1	1	0.992806	1	0	0	0
4623	0.994913	0.004007	0.001079	1.27E-06	1	1	0.994913	1	0	0	0
4624	0.994472	0.004337	0.00119	1.78E-06	1	1	0.994472	1	0	0	0
4625	0.98391	0.004222	0.011864	4.23E-06	1	1	0.98391	1	0	0	0
4626	0.680357	0.003453	0.316182	8.63E-06	1	1	0.680357	1	0	0	0
4627	0.427206	0.001825	0.570965	4.44E-06	3	3	0.570965	0	0	1	0
4628	0.905	0.004487	0.090506	5.74E-06	1	1	0.905	1	0	0	0
4629	0.993375	0.004333	0.00229	1.55E-06	1	1	0.993375	1	0	0	0
4630	0.994192	0.003782	0.002025	1.04E-06	1	1	0.994192	1	0	0	0
4631	0.981259	0.003458	0.015281	1.75E-06	1	1	0.981259	1	0	0	0
4632	0.98943	0.003187	0.007381	1.38E-06	1	1	0.98943	1	0	0	0
4633	0.994107	0.003435	0.002457	1.01E-06	1	1	0.994107	1	0	0	0
4634	0.966136	0.003018	0.030845	1.8E-06	1	1	0.966136	1	0	0	0
4635	0.913067	0.002774	0.084156	2.25E-06	1	1	0.913067	1	0	0	0

21800


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:29 PM
Book1
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
Q3
Prediction results using data sheet 21800 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21800: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21800: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4650 0.979984 0.019111 0.000892 1.27E-05 1 1 0.979984 1 0 0 0
4651 0.991147 0.008231 0.000617 4.91E-06 1 1 0.991147 1 0 0 0
4652 0.991957 0.007328 0.000709 5.28E-06 1 1 0.991957 1 0 0 0
4653 0.991156 0.00819 0.000648 5.32E-06 1 1 0.991156 1 0 0 0
4654 0.993863 0.005642 0.000491 2.66E-06 1 1 0.993863 1 0 0 0
4655 0.994329 0.005161 0.000507 2.32E-06 1 1 0.994329 1 0 0 0
4656 0.994478 0.004964 0.000556 2.32E-06 1 1 0.994478 1 0 0 0
4657 0.993896 0.005469 0.000633 2.65E-06 1 1 0.993896 1 0 0 0
4658 0.992758 0.006598 0.000641 2.92E-06 1 1 0.992758 1 0 0 0
4659 0.992237 0.007071 0.00069 2.9E-06 1 1 0.992237 1 0 0 0
4660 0.991774 0.007491 0.000732 3.06E-06 1 1 0.991774 1 0 0 0
4661 0.992131 0.007128 0.000738 3.07E-06 1 1 0.992131 1 0 0 0
4662 0.992835 0.006484 0.000678 2.95E-06 1 1 0.992835 1 0 0 0
4663 0.993192 0.006139 0.000667 2.73E-06 1 1 0.993192 1 0 0 0
4664 0.992698 0.006609 0.00069 2.89E-06 1 1 0.992698 1 0 0 0
4665 0.990992 0.008349 0.000656 3.23E-06 1 1 0.990992 1 0 0 0
4666 0.99023 0.0091 0.000667 3.51E-06 1 1 0.99023 1 0 0 0
4667 0.984263 0.014913 0.000817 6.73E-06 1 1 0.984263 1 0 0 0
4668 0.979087 0.019911 0.000992 9.97E-06 1 1 0.979087 1 0 0 0
4669 0.977145 0.021782 0.00106 1.18E-05 1 1 0.977145 1 0 0 0
4670 0.984938 0.014252 0.000803 6.52E-06 1 1 0.984938 1 0 0 0
4671 0.986685 0.01256 0.000749 5.4E-06 1 1 0.986685 1 0 0 0
4672 0.988033 0.011251 0.000712 4.48E-06 1 1 0.988033 1 0 0 0
4673 0.981496 0.017549 0.000947 7.79E-06 1 1 0.981496 1 0 0 0
4674 0.953715 0.044458 0.001798 2.92E-05 1 1 0.953715 1 0 0 0
4675 0.979338 0.019599 0.001055 8.47E-06 1 1 0.979338 1 0 0 0
4676 0.983626 0.015453 0.000915 6.11E-06 1 1 0.983626 1 0 0 0
4677 0.985647 0.013496 0.000851 5.38E-06 1 1 0.985647 1 0 0 0
4678 0.986034 0.013121 0.00084 5.28E-06 1 1 0.986034 1 0 0 0
4679 0.986631 0.012552 0.000811 5.41E-06 1 1 0.986631 1 0 0 0
pred 21681 pred 21690 pred 21710 pred 21720 pred 21723 pred 21741 pred 21743 pred 21760 pred 21761 pred 21800 pred 21886 pred 21915 pred 25047
Ready
100%

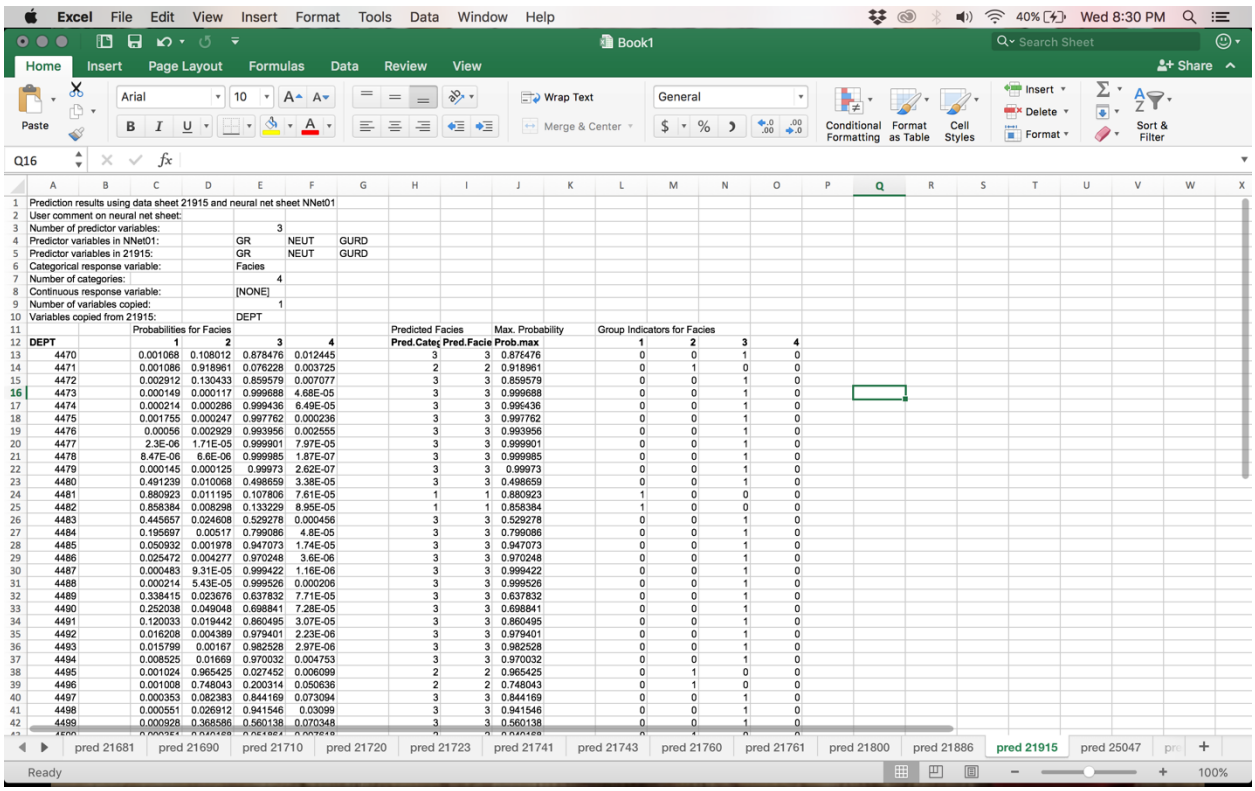
21886



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 21886 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 21886:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 21886:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4487		0.845235	0.137234	0.000299	0.017232		1	1	0.845235	1	0	0	0	
14	4488		0.979972	0.011666	0.002962	0.0054		1	1	0.979972	1	0	0	0	
15	4489		0.676418	0.000718	0.322719	0.000145		1	1	0.676418	1	0	0	0	
16	4490		0.440702	0.000706	0.558551	4E-05		3	3	0.558551	0	0	1	0	
17	4491		0.439845	0.1004	0.45946	0.000296		3	3	0.45946	0	0	1	0	
18	4492		0.983741	0.015647	0.00061	2.25E-06		1	1	0.983741	1	0	0	0	
19	4493		0.989242	0.003178	0.007574	6.74E-06		1	1	0.989242	1	0	0	0	
20	4494		0.970714	0.002989	0.026285	1.18E-05		1	1	0.970714	1	0	0	0	
21	4495		0.992097	0.003948	0.003949	6.72E-06		1	1	0.992097	1	0	0	0	
22	4496		0.993707	0.003878	0.00241	4.97E-06		1	1	0.993707	1	0	0	0	
23	4497		0.990353	0.002756	0.006887	4.85E-06		1	1	0.990353	1	0	0	0	
24	4498		0.993458	0.002589	0.00395	3.04E-06		1	1	0.993458	1	0	0	0	
25	4499		0.995966	0.003104	0.000929	1.92E-06		1	1	0.995966	1	0	0	0	
26	4500		0.994861	0.004683	0.000454	1.94E-06		1	1	0.994861	1	0	0	0	
27	4501		0.992511	0.006924	0.000562	2.66E-06		1	1	0.992511	1	0	0	0	
28	4502		0.990277	0.00863	0.001089	3.75E-06		1	1	0.990277	1	0	0	0	
29	4503		0.988566	0.010144	0.001286	3.88E-06		1	1	0.988566	1	0	0	0	
30	4504		0.98594	0.013193	0.000864	3.32E-06		1	1	0.98594	1	0	0	0	
31	4505		0.985736	0.013209	0.001051	3.65E-06		1	1	0.985736	1	0	0	0	
32	4506		0.986224	0.009562	0.004208	6.13E-06		1	1	0.986224	1	0	0	0	
33	4507		0.961381	0.006358	0.032247	1.33E-05		1	1	0.961381	1	0	0	0	
34	4508		0.940384	0.0076	0.051991	2.48E-05		1	1	0.940384	1	0	0	0	
35	4509		0.982181	0.012521	0.005283	1.53E-05		1	1	0.982181	1	0	0	0	
36	4510		0.992	0.007452	0.000544	2.89E-06		1	1	0.992	1	0	0	0	
37	4511		0.994346	0.005294	0.000357	2.2E-06		1	1	0.994346	1	0	0	0	
38	4512		0.995469	0.002886	0.001643	2.18E-06		1	1	0.995469	1	0	0	0	
39	4513		0.995156	0.003233	0.001609	2.03E-06		1	1	0.995156	1	0	0	0	
40	4514		0.995563	0.003738	0.000698	1.61E-06		1	1	0.995563	1	0	0	0	
41	4515		0.993812	0.002695	0.003491	2.48E-06		1	1	0.993812	1	0	0	0	
42	4516		0.989179	0.002338	0.00848	2.97E-06		1	1	0.989179	1	0	0	0	

pred 21681 | pred 21690 | pred 21710 | pred 21720 | pred 21723 | pred 21741 | pred 21743 | pred 21760 | pred 21761 | pred 21800 | **pred 21886** | pred 21915 | pred 25047

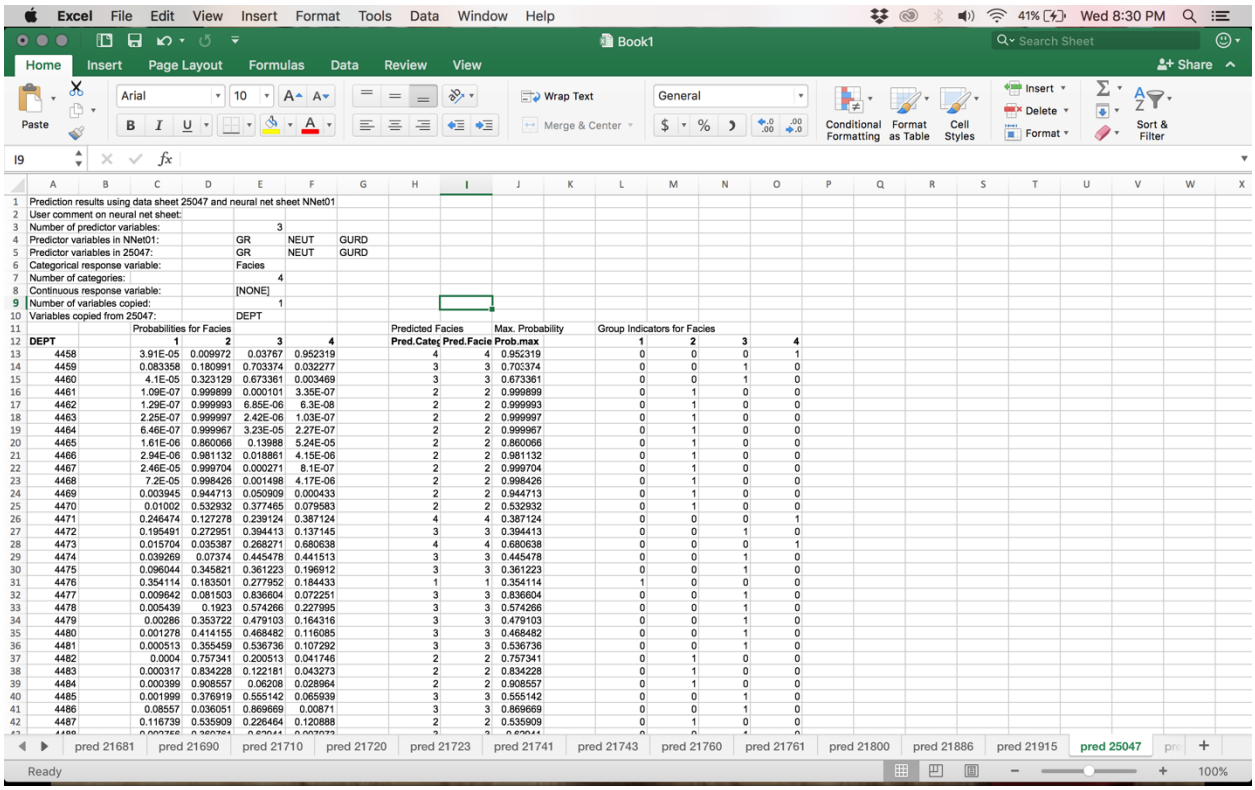
21915



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 21915 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 21915:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 21915:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4470		0.001068	0.108012	0.878476	0.012445		3	3	0.878476	0	0	1	0	
14	4471		0.001086	0.918961	0.076228	0.003725		2	2	0.918961	0	1	0	0	
15	4472		0.002912	0.130433	0.859579	0.007077		3	3	0.859579	0	0	1	0	
16	4473		0.000149	0.000117	0.999688	4.68E-05		3	3	0.999688	0	0	1	0	
17	4474		0.000214	0.000286	0.999436	6.49E-05		3	3	0.999436	0	0	1	0	
18	4475		0.001755	0.000247	0.997762	0.000236		3	3	0.997762	0	0	1	0	
19	4476		0.00056	0.002929	0.993956	0.002555		3	3	0.993956	0	0	1	0	
20	4477		2.3E-06	1.71E-05	0.999901	7.97E-05		3	3	0.999901	0	0	1	0	
21	4478		8.47E-06	6.6E-06	0.999985	1.87E-07		3	3	0.999985	0	0	1	0	
22	4479		0.000145	0.000125	0.99973	2.62E-07		3	3	0.99973	0	0	1	0	
23	4480		0.491239	0.010068	0.498659	3.38E-05		3	3	0.498659	0	0	1	0	
24	4481		0.880923	0.011195	0.107806	7.61E-05		1	1	0.880923	1	0	0	0	
25	4482		0.858384	0.008298	0.133229	8.95E-05		1	1	0.858384	1	0	0	0	
26	4483		0.445657	0.024608	0.529278	0.000456		3	3	0.529278	0	0	1	0	
27	4484		0.195697	0.00517	0.799086	4.8E-05		3	3	0.799086	0	0	1	0	
28	4485		0.050932	0.001978	0.947073	1.74E-05		3	3	0.947073	0	0	1	0	
29	4486		0.025472	0.004277	0.970248	3.6E-06		3	3	0.970248	0	0	1	0	
30	4487		0.000483	9.31E-05	0.999422	1.16E-06		3	3	0.999422	0	0	1	0	
31	4488		0.000214	5.43E-05	0.999526	0.000206		3	3	0.999526	0	0	1	0	
32	4489		0.338415	0.023676	0.637832	7.71E-05		3	3	0.637832	0	0	1	0	
33	4490		0.252038	0.049048	0.698841	7.28E-05		3	3	0.698841	0	0	1	0	
34	4491		0.120033	0.019442	0.860495	3.07E-05		3	3	0.860495	0	0	1	0	
35	4492		0.016208	0.004389	0.979401	2.23E-06		3	3	0.979401	0	0	1	0	
36	4493		0.015799	0.00167	0.982528	2.97E-06		3	3	0.982528	0	0	1	0	
37	4494		0.008525	0.01669	0.970032	0.004753		3	3	0.970032	0	0	1	0	
38	4495		0.001024	0.965425	0.027452	0.006099		2	2	0.965425	0	1	0	0	
39	4496		0.001008	0.748043	0.200314	0.050636		2	2	0.748043	0	1	0	0	
40	4497		0.000353	0.082383	0.844169	0.073094		3	3	0.844169	0	0	1	0	
41	4498		0.000551	0.026912	0.941546	0.03099		3	3	0.941546	0	0	1	0	
42	4499		0.000928	0.368586	0.560138	0.070348		3	3	0.560138	0	0	1	0	

pred 21681 | pred 21690 | pred 21710 | pred 21720 | pred 21723 | pred 21741 | pred 21743 | pred 21760 | pred 21761 | pred 21800 | pred 21886 | **pred 21915** | pred 25047

25047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Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Conditional Formatting
Format as Table
Cell Styles
Insert
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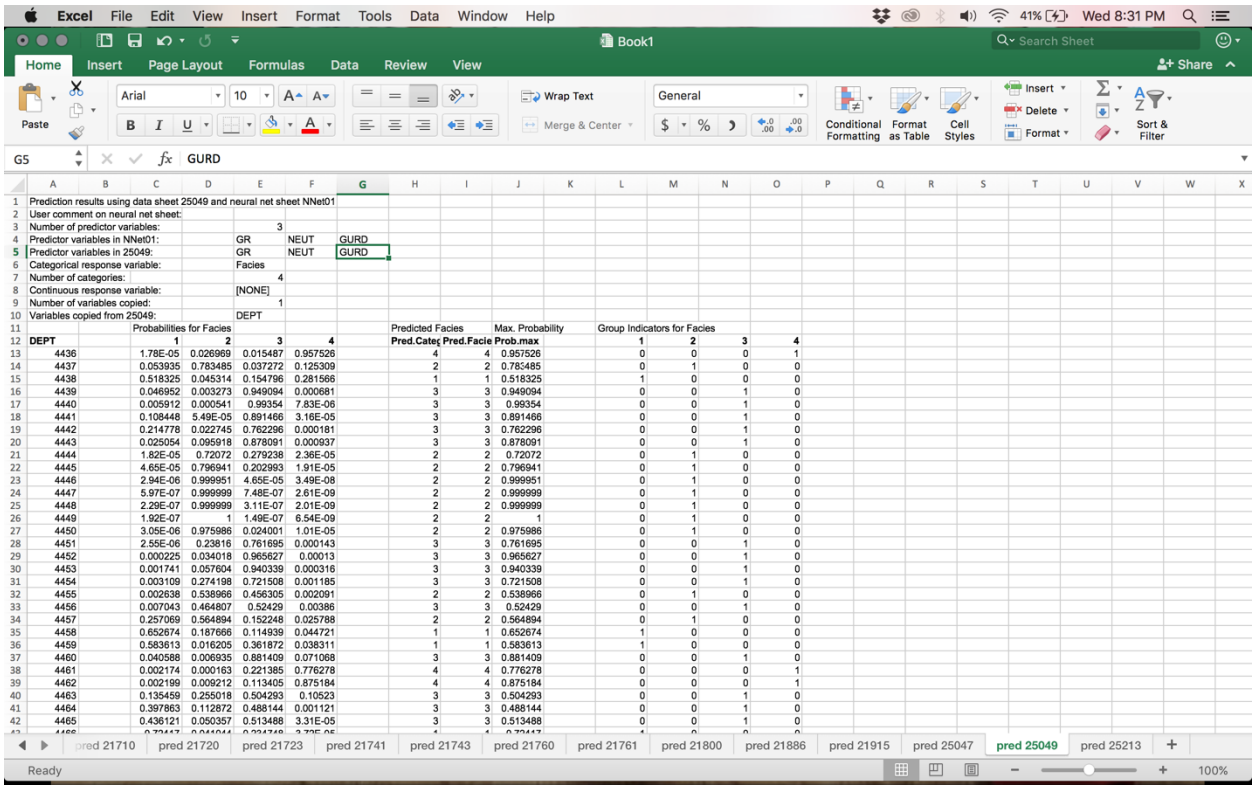
Sort & Filter
I9
Prediction results using data sheet 25047 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 25047: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 25047: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4458 3.91E-05 0.009972 0.03767 0.952319 4 4 0.952319 0 0 0 1
4459 0.083358 0.180991 0.703374 0.032277 3 3 0.703374 0 0 1 0
4460 4.1E-05 0.323129 0.673361 0.003469 3 3 0.673361 0 0 1 0
4461 1.09E-07 0.999899 0.000101 3.35E-07 2 2 0.999899 0 1 0 0
4462 1.29E-07 0.999993 6.85E-06 6.3E-08 2 2 0.999993 0 1 0 0
4463 2.25E-07 0.999997 2.42E-06 1.03E-07 2 2 0.999997 0 1 0 0
4464 6.46E-07 0.999967 3.23E-05 2.27E-07 2 2 0.999967 0 1 0 0
4465 1.61E-06 0.860066 0.13988 5.24E-05 2 2 0.860066 0 1 0 0
4466 2.94E-06 0.981132 0.018861 4.15E-06 2 2 0.981132 0 1 0 0
4467 2.46E-05 0.999704 0.000271 8.1E-07 2 2 0.999704 0 1 0 0
4468 7.2E-05 0.998426 0.001498 4.17E-06 2 2 0.998426 0 1 0 0
4469 0.003945 0.944713 0.050909 0.000433 2 2 0.944713 0 1 0 0
4470 0.01002 0.532932 0.377465 0.079583 2 2 0.532932 0 1 0 0
4471 0.246474 0.127278 0.239124 0.387124 4 4 0.387124 0 0 0 1
4472 0.195491 0.272951 0.394413 0.137145 3 3 0.394413 0 0 1 0
4473 0.015704 0.035387 0.268271 0.680638 4 4 0.680638 0 0 0 1
4474 0.039269 0.07374 0.445478 0.441513 3 3 0.445478 0 0 1 0
4475 0.096044 0.345821 0.361223 0.196912 3 3 0.361223 0 0 1 0
4476 0.354114 0.183501 0.277852 0.184433 1 1 0.354114 1 0 0 0
4477 0.009642 0.081503 0.836604 0.072251 3 3 0.836604 0 0 1 0
4478 0.005439 0.1923 0.574266 0.227995 3 3 0.574266 0 0 1 0
4479 0.00286 0.353722 0.479103 0.164316 3 3 0.479103 0 0 1 0
4480 0.001278 0.414155 0.468482 0.116085 3 3 0.468482 0 0 1 0
4481 0.000513 0.355459 0.536736 0.107292 3 3 0.536736 0 0 1 0
4482 0.0004 0.757341 0.200513 0.041746 2 2 0.757341 0 1 0 0
4483 0.000317 0.834228 0.122181 0.043273 2 2 0.834228 0 1 0 0
4484 0.000399 0.908557 0.06208 0.028964 2 2 0.908557 0 1 0 0
4485 0.001999 0.376919 0.555142 0.065939 3 3 0.555142 0 0 1 0
4486 0.08557 0.036051 0.869669 0.00871 3 3 0.869669 0 0 1 0
4487 0.116739 0.535909 0.226464 0.120888 2 2 0.535909 0 1 0 0
pred 21681 pred 21690 pred 21710 pred 21720 pred 21723 pred 21741 pred 21743 pred 21760 pred 21761 pred 21800 pred 21886 pred 21915 pred 25047
Ready
100%

25049


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:31 PM
Book1
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
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Conditional Formatting
Format as Table
Cell Styles
Insert
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Format
Sort & Filter
G5
GURD
Prediction results using data sheet 25049 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 25049: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 25049: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4436 1.78E-05 0.026969 0.015487 0.957526 4 4 0.957526 0 0 0 1
4437 0.053935 0.783485 0.037272 0.125309 2 2 0.783485 0 1 0 0
4438 0.518325 0.045314 0.154796 0.281566 1 1 0.518325 1 0 0 0
4439 0.046952 0.003273 0.949094 0.000681 3 3 0.949094 0 0 1 0
4440 0.005912 0.000541 0.99354 7.83E-06 3 3 0.99354 0 0 1 0
4441 0.108448 5.49E-05 0.891466 3.16E-05 3 3 0.891466 0 0 1 0
4442 0.214778 0.022745 0.762296 0.000181 3 3 0.762296 0 0 1 0
4443 0.025054 0.095918 0.878091 0.000937 3 3 0.878091 0 0 1 0
4444 1.82E-05 0.72072 0.279238 2.36E-05 2 2 0.72072 0 1 0 0
4445 4.65E-05 0.796941 0.202993 1.91E-05 2 2 0.796941 0 1 0 0
4446 2.94E-06 0.999951 4.65E-05 3.49E-08 2 2 0.999951 0 1 0 0
4447 5.97E-07 0.999999 7.48E-07 2.61E-09 2 2 0.999999 0 1 0 0
4448 2.29E-07 0.999999 3.11E-07 2.01E-09 2 2 0.999999 0 1 0 0
4449 1.92E-07 1 1.49E-07 6.54E-09 2 2 1 0 1 0 0
4450 3.05E-06 0.975986 0.024001 1.01E-05 2 2 0.975986 0 1 0 0
4451 2.55E-06 0.23816 0.761695 0.000143 3 3 0.761695 0 0 1 0
4452 0.000225 0.034018 0.965627 0.00013 3 3 0.965627 0 0 1 0
4453 0.001741 0.057604 0.940339 0.000316 3 3 0.940339 0 0 1 0
4454 0.003109 0.274198 0.721508 0.001185 3 3 0.721508 0 0 1 0
4455 0.002638 0.538966 0.456305 0.002091 2 2 0.538966 0 1 0 0
4456 0.007043 0.464807 0.52429 0.00386 3 3 0.52429 0 0 1 0
4457 0.257069 0.564894 0.152248 0.025788 2 2 0.564894 0 1 0 0
4458 0.652674 0.187666 0.114939 0.044721 1 1 0.652674 1 0 0 0
4459 0.583613 0.016205 0.361872 0.038311 1 1 0.583613 1 0 0 0
4460 0.040588 0.006935 0.881409 0.071068 3 3 0.881409 0 0 1 0
4461 0.002174 0.000163 0.221385 0.776278 4 4 0.776278 0 0 0 1
4462 0.002199 0.009212 0.113405 0.875184 4 4 0.875184 0 0 0 1
4463 0.135459 0.255018 0.504293 0.10523 3 3 0.504293 0 0 1 0
4464 0.397863 0.112872 0.488144 0.001121 3 3 0.488144 0 0 1 0
4465 0.436121 0.050357 0.513488 3.31E-05 3 3 0.513488 0 0 1 0
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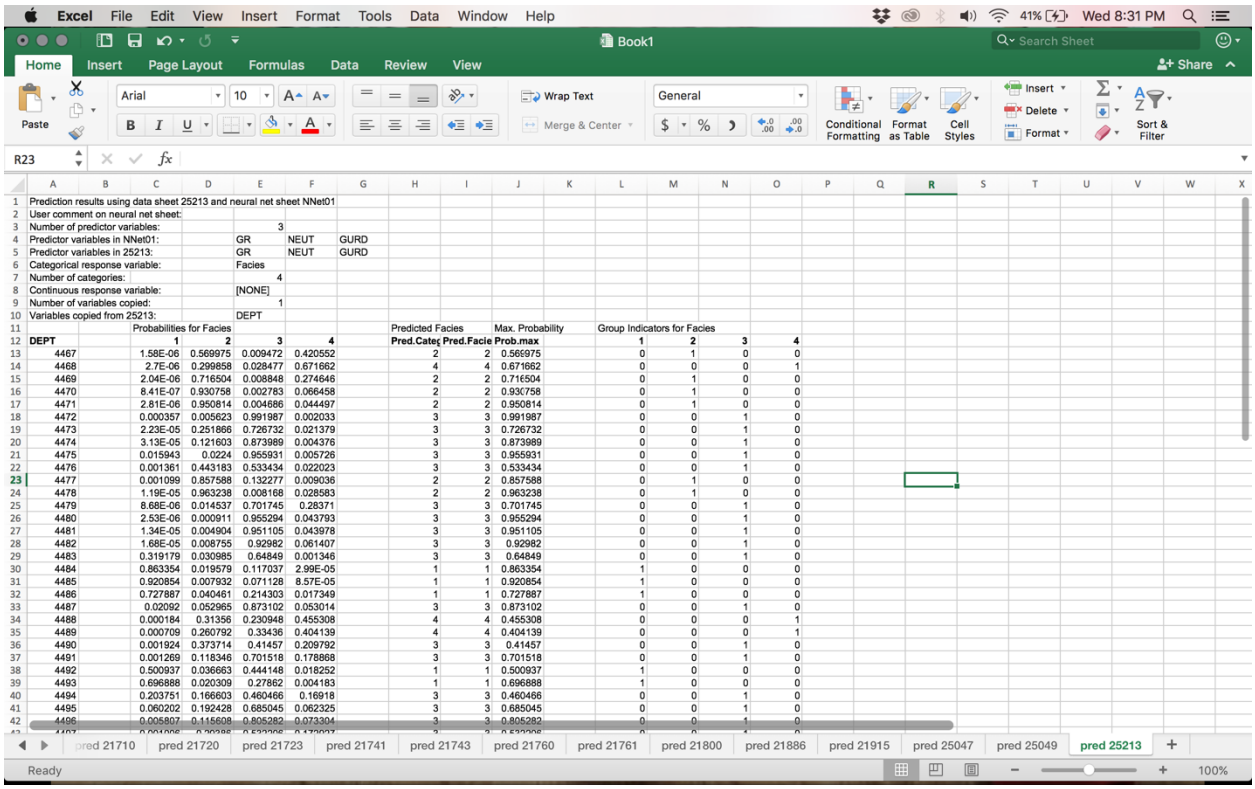
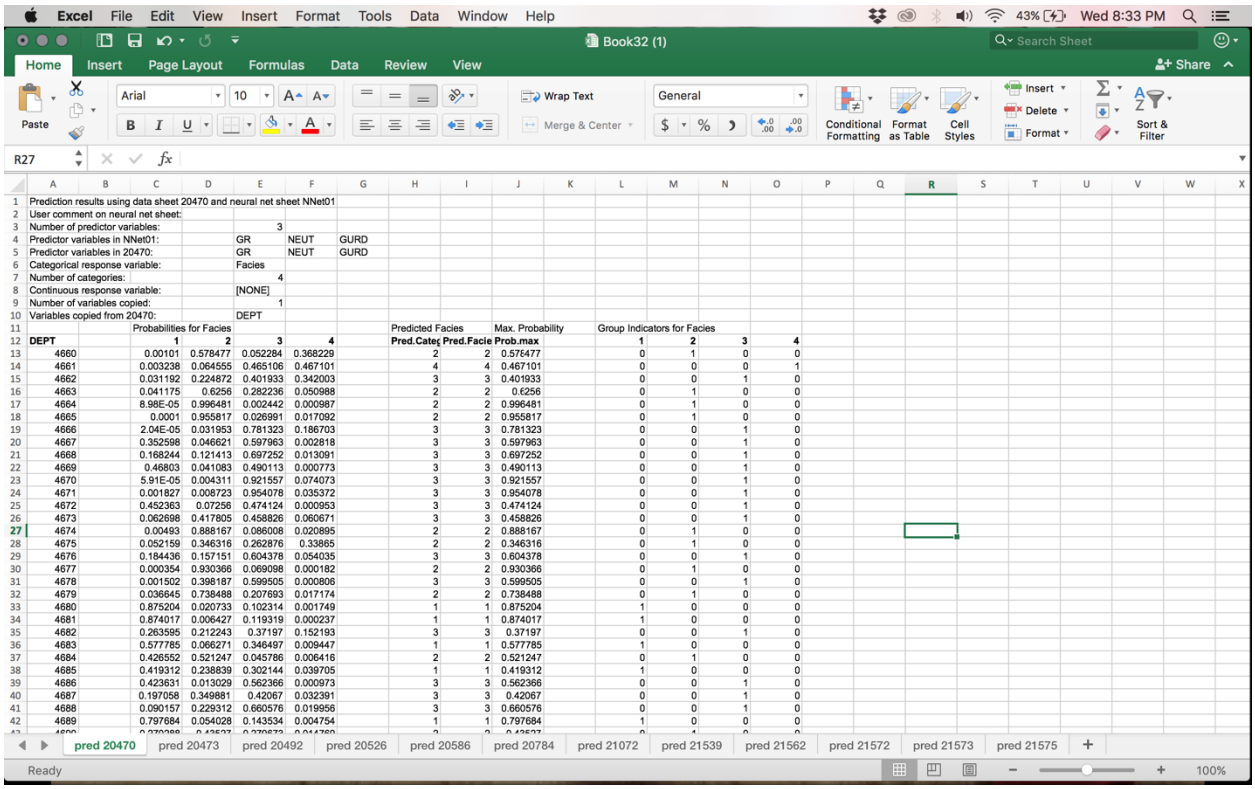
25213



Book 32

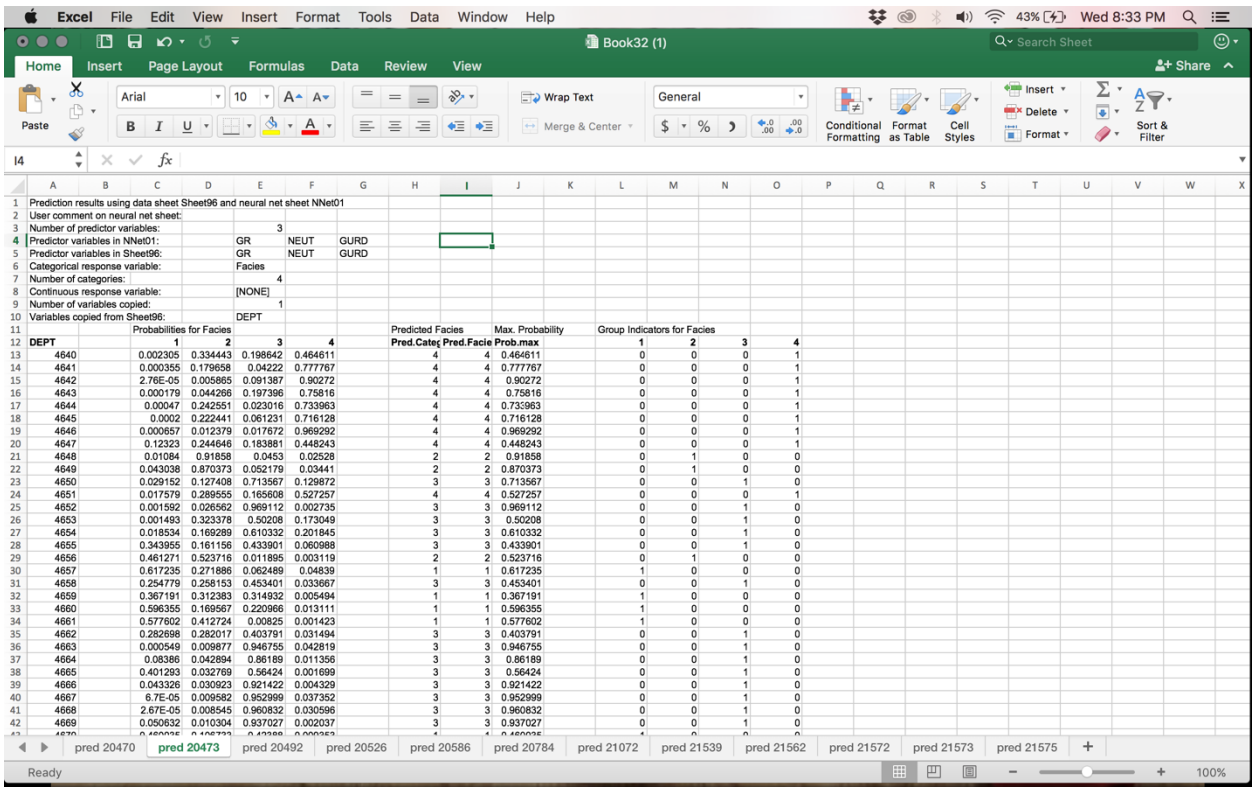
20470



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 20470 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 20470:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 20470:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4660		0.00101	0.578477	0.052284	0.368229		2	2	0.578477		0	1	0	0									
14	4661		0.003238	0.064555	0.465106	0.467101		4	4	0.467101		0	0	0	1									
15	4662		0.031192	0.224872	0.401933	0.342003		3	3	0.401933		0	0	1	0									
16	4663		0.041175	0.6256	0.282236	0.050988		2	2	0.6256		0	1	0	0									
17	4664		8.98E-05	0.996481	0.002442	0.000987		2	2	0.996481		0	1	0	0									
18	4665		0.0001	0.955817	0.026991	0.017092		2	2	0.955817		0	1	0	0									
19	4666		2.04E-05	0.031953	0.781323	0.186703		3	3	0.781323		0	0	1	0									
20	4667		0.352598	0.046621	0.597963	0.002818		3	3	0.597963		0	0	1	0									
21	4668		0.168244	0.121413	0.697252	0.013091		3	3	0.697252		0	0	1	0									
22	4669		0.46803	0.041083	0.490113	0.000773		3	3	0.490113		0	0	1	0									
23	4670		5.91E-05	0.004311	0.921557	0.074073		3	3	0.921557		0	0	1	0									
24	4671		0.001827	0.008723	0.954078	0.035372		3	3	0.954078		0	0	1	0									
25	4672		0.452363	0.07256	0.474124	0.000953		3	3	0.474124		0	0	1	0									
26	4673		0.062698	0.417805	0.458826	0.060671		3	3	0.458826		0	0	1	0									
27	4674		0.00493	0.888167	0.086008	0.020895		2	2	0.888167		0	1	0	0									
28	4675		0.052159	0.346316	0.262876	0.33865		2	2	0.346316		0	1	0	0									
29	4676		0.184436	0.157151	0.604378	0.054035		3	3	0.604378		0	0	1	0									
30	4677		0.000354	0.930366	0.069098	0.000182		2	2	0.930366		0	1	0	0									
31	4678		0.001502	0.398187	0.599505	0.000806		3	3	0.599505		0	0	1	0									
32	4679		0.036645	0.738488	0.207693	0.017174		2	2	0.738488		0	1	0	0									
33	4680		0.875204	0.020733	0.102314	0.001749		1	1	0.875204		1	0	0	0									
34	4681		0.874017	0.006427	0.119319	0.000237		1	1	0.874017		1	0	0	0									
35	4682		0.263595	0.212243	0.37197	0.152193		3	3	0.37197		0	0	1	0									
36	4683		0.577785	0.066271	0.346497	0.009447		1	1	0.577785		1	0	0	0									
37	4684		0.426552	0.521247	0.045786	0.006416		2	2	0.521247		0	1	0	0									
38	4685		0.419312	0.238839	0.302144	0.039705		1	1	0.419312		1	0	0	0									
39	4686		0.423631	0.013029	0.562366	0.000973		3	3	0.562366		0	0	1	0									
40	4687		0.197058	0.349881	0.42067	0.032391		3	3	0.42067		0	0	1	0									
41	4688		0.090157	0.229312	0.660576	0.019956		3	3	0.660576		0	0	1	0									
42	4689		0.797684	0.054029	0.143534	0.004754		1	1	0.797684		1	0	0	0									

pred 20470 | pred 20473 | pred 20492 | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

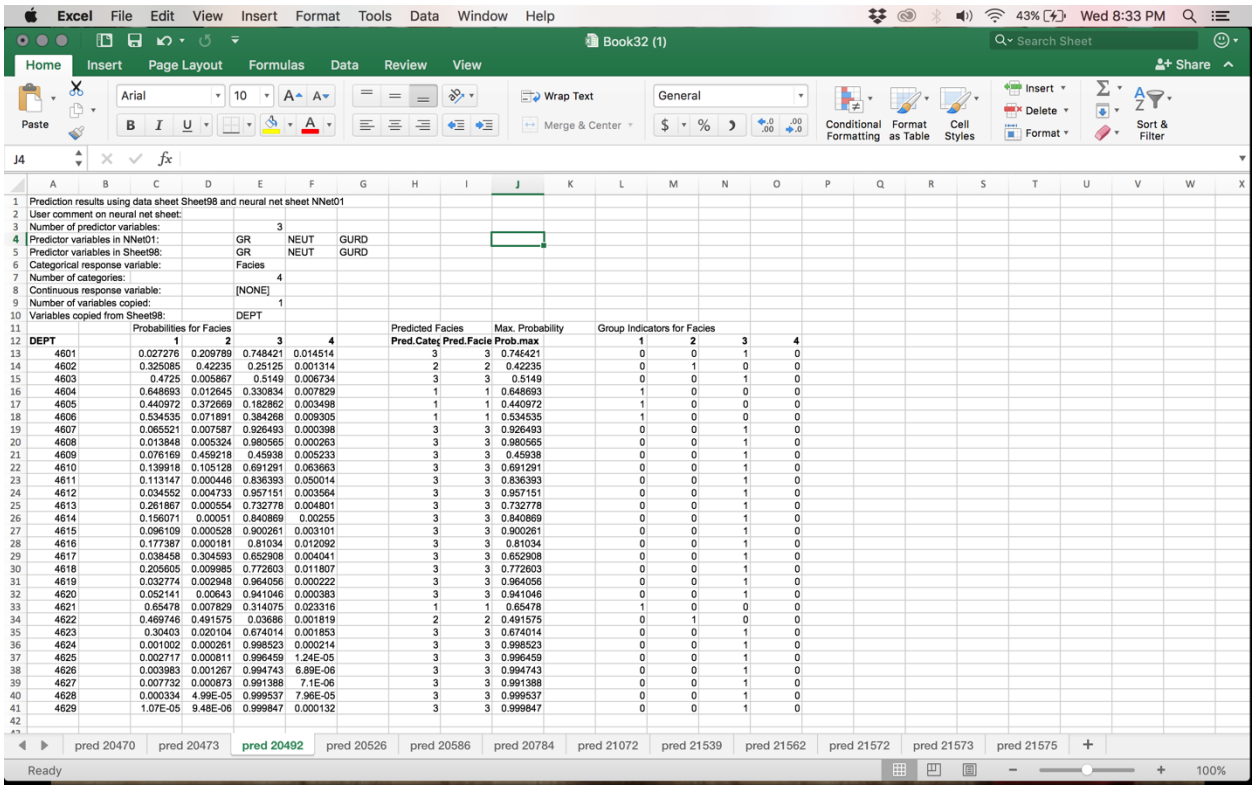
20473



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet Sheet96 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in Sheet96:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from Sheet96:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4640		0.002305	0.334443	0.198642	0.464611		4	4	0.464611		0	0	0	1									
14	4641		0.000355	0.179658	0.04222	0.777767		4	4	0.777767		0	0	0	1									
15	4642		2.76E-05	0.005865	0.091387	0.90272		4	4	0.90272		0	0	0	1									
16	4643		0.000179	0.044266	0.197396	0.75816		4	4	0.75816		0	0	0	1									
17	4644		0.00047	0.242551	0.023016	0.733963		4	4	0.733963		0	0	0	1									
18	4645		0.0002	0.222441	0.061231	0.716128		4	4	0.716128		0	0	0	1									
19	4646		0.000657	0.012379	0.017672	0.969292		4	4	0.969292		0	0	0	1									
20	4647		0.12323	0.244648	0.183881	0.448243		4	4	0.448243		0	0	0	1									
21	4648		0.01084	0.91858	0.0453	0.02528		2	2	0.91858		0	1	0	0									
22	4649		0.043038	0.870373	0.052179	0.03441		2	2	0.870373		0	1	0	0									
23	4650		0.029152	0.127408	0.713567	0.129872		3	3	0.713567		0	0	1	0									
24	4651		0.017579	0.289555	0.165608	0.527257		4	4	0.527257		0	0	0	1									
25	4652		0.001592	0.026562	0.969112	0.002735		3	3	0.969112		0	0	1	0									
26	4653		0.001493	0.323378	0.50208	0.173049		3	3	0.50208		0	0	1	0									
27	4654		0.018534	0.169289	0.610332	0.201845		3	3	0.610332		0	0	1	0									
28	4655		0.343955	0.161156	0.433901	0.060988		3	3	0.433901		0	0	1	0									
29	4656		0.461271	0.523716	0.011895	0.003119		2	2	0.523716		0	1	0	0									
30	4657		0.617235	0.271886	0.062489	0.04839		1	1	0.617235		1	0	0	0									
31	4658		0.254779	0.258153	0.453401	0.033667		3	3	0.453401		0	0	1	0									
32	4659		0.367191	0.312383	0.314932	0.005494		1	1	0.367191		1	0	0	0									
33	4660		0.596355	0.169567	0.220966	0.013111		1	1	0.596355		1	0	0	0									
34	4661		0.577602	0.412724	0.00825	0.001423		1	1	0.577602		1	0	0	0									
35	4662		0.282698	0.282017	0.403791	0.031494		3	3	0.403791		0	0	1	0									
36	4663		0.000549	0.009877	0.946755	0.042819		3	3	0.946755		0	0	1	0									
37	4664		0.08386	0.042894	0.86189	0.011356		3	3	0.86189		0	0	1	0									
38	4665		0.401293	0.032769	0.56424	0.001699		3	3	0.56424		0	0	1	0									
39	4666		0.043326	0.030923	0.921422	0.004329		3	3	0.921422		0	0	1	0									
40	4667		6.7E-05	0.009582	0.952999	0.037352		3	3	0.952999		0	0	1	0									
41	4668		2.67E-05	0.008545	0.960832	0.030596		3	3	0.960832		0	0	1	0									
42	4669		0.050632	0.010304	0.937027	0.002037		3	3	0.937027		0	0	1	0									

pred 20470 | pred 20473 | pred 20492 | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

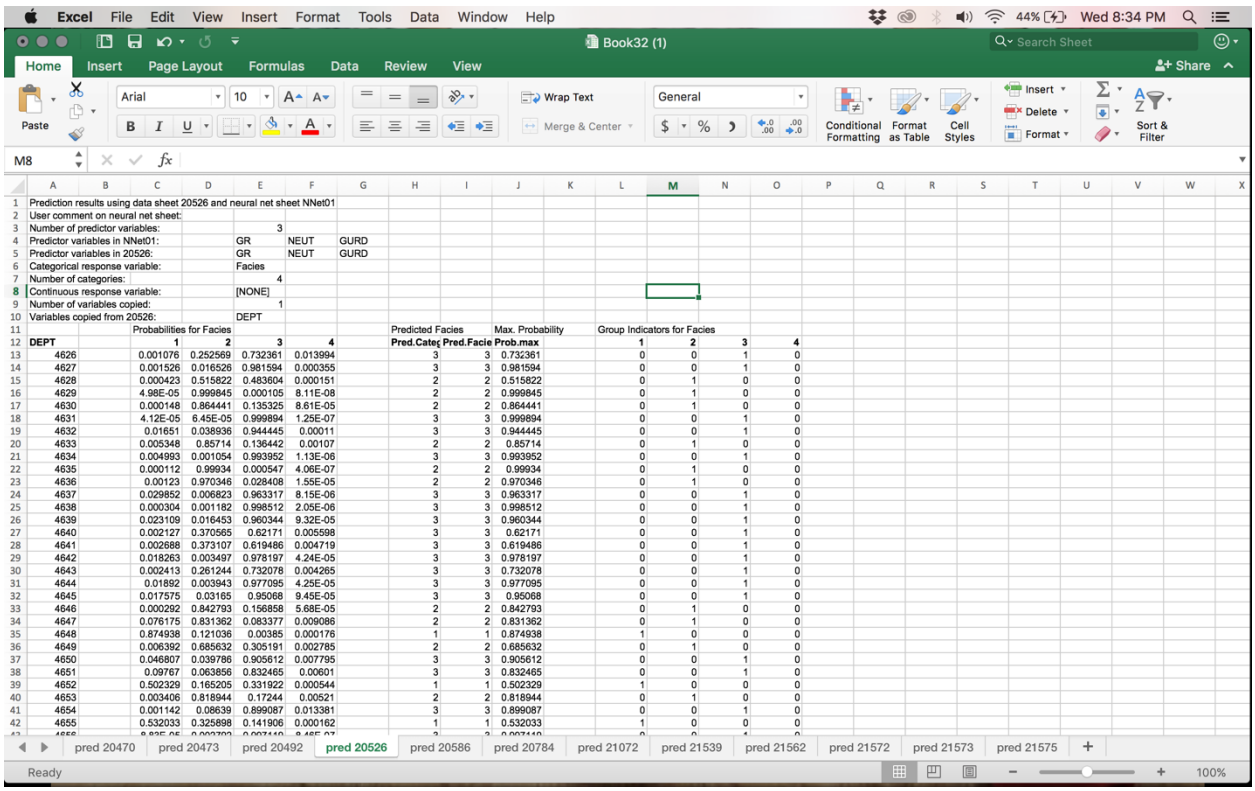
20492



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet Sheet98 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in Sheet98:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from Sheet98:				DEPT																			
11		Probabilities for Facies						Predicted Facies		Max. Probability	Group Indicators for Facies													
12	DEPT	1	2	3	4			Pred.Categ	Pred.Facie	Prob.max	1	2	3	4										
13	4601	0.027276	0.209789	0.748421	0.014514			3	3	0.748421	0	0	1	0										
14	4602	0.325085	0.42235	0.25125	0.001314			2	2	0.42235	0	1	0	0										
15	4603	0.4725	0.005867	0.5149	0.006734			3	3	0.5149	0	0	1	0										
16	4604	0.648693	0.012645	0.330834	0.007829			1	1	0.648693	1	0	0	0										
17	4605	0.440972	0.372669	0.182862	0.003498			1	1	0.440972	1	0	0	0										
18	4606	0.534535	0.071891	0.384268	0.009305			1	1	0.534535	1	0	0	0										
19	4607	0.065521	0.007587	0.926493	0.000398			3	3	0.926493	0	0	1	0										
20	4608	0.013848	0.005324	0.980565	0.000263			3	3	0.980565	0	0	1	0										
21	4609	0.078169	0.459218	0.45938	0.005233			3	3	0.45938	0	0	1	0										
22	4610	0.139918	0.105128	0.691291	0.063663			3	3	0.691291	0	0	1	0										
23	4611	0.113147	0.000446	0.836393	0.050014			3	3	0.836393	0	0	1	0										
24	4612	0.034552	0.004733	0.957151	0.003564			3	3	0.957151	0	0	1	0										
25	4613	0.261867	0.000554	0.732778	0.004801			3	3	0.732778	0	0	1	0										
26	4614	0.156071	0.00051	0.840869	0.00255			3	3	0.840869	0	0	1	0										
27	4615	0.096109	0.000528	0.900261	0.003101			3	3	0.900261	0	0	1	0										
28	4616	0.177387	0.000181	0.81034	0.012092			3	3	0.81034	0	0	1	0										
29	4617	0.038458	0.304593	0.652908	0.004041			3	3	0.652908	0	0	1	0										
30	4618	0.205605	0.009985	0.772603	0.011807			3	3	0.772603	0	0	1	0										
31	4619	0.032774	0.002948	0.964056	0.000222			3	3	0.964056	0	0	1	0										
32	4620	0.052141	0.00643	0.941046	0.000383			3	3	0.941046	0	0	1	0										
33	4621	0.65478	0.007829	0.314075	0.023316			1	1	0.65478	1	0	0	0										
34	4622	0.469746	0.491575	0.03686	0.001819			2	2	0.491575	0	1	0	0										
35	4623	0.30403	0.020104	0.674014	0.001853			3	3	0.674014	0	0	1	0										
36	4624	0.001002	0.000261	0.998523	0.000214			3	3	0.998523	0	0	1	0										
37	4625	0.002717	0.000811	0.996459	1.24E-05			3	3	0.996459	0	0	1	0										
38	4626	0.003983	0.001267	0.994743	6.89E-06			3	3	0.994743	0	0	1	0										
39	4627	0.007732	0.000873	0.991388	7.1E-06			3	3	0.991388	0	0	1	0										
40	4628	0.000334	4.99E-05	0.999537	7.96E-05			3	3	0.999537	0	0	1	0										
41	4629	1.07E-05	9.48E-06	0.999847	0.000132			3	3	0.999847	0	0	1	0										
42																								

pred 20470 | pred 20473 | **pred 20492** | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

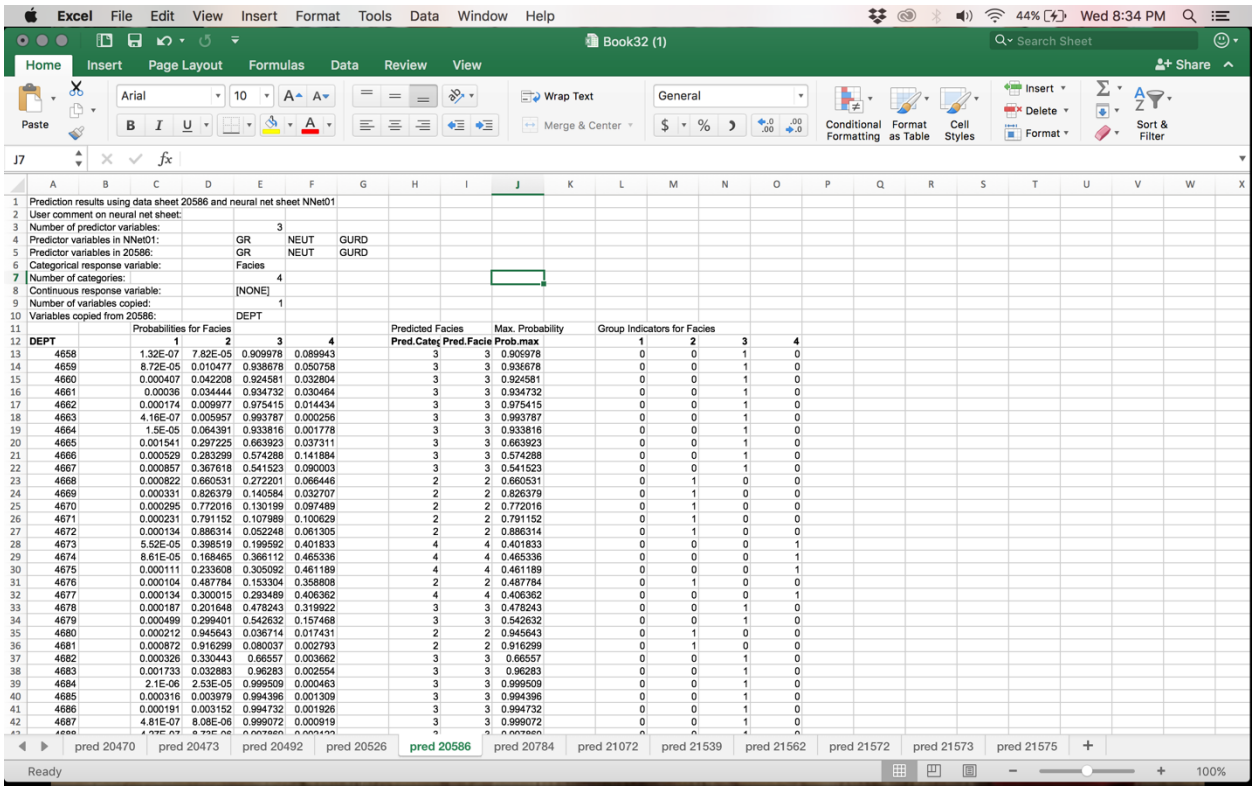
20526



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 20526 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 20526:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 20526:				DEPT																			
11		Probabilities for Facies						Predicted Facies		Max. Probability	Group Indicators for Facies													
12	DEPT	1	2	3	4			Pred.Categ	Pred.Facie	Prob.max	1	2	3	4										
13	4626	0.001076	0.252569	0.732361	0.013994			3	3	0.732361	0	0	1	0										
14	4627	0.001526	0.016526	0.981594	0.000355			3	3	0.981594	0	0	1	0										
15	4628	0.000423	0.515822	0.483604	0.000151			2	2	0.515822	0	1	0	0										
16	4629	4.98E-05	0.999845	0.000105	8.11E-08			2	2	0.999845	0	1	0	0										
17	4630	0.000148	0.864441	0.135325	8.61E-05			2	2	0.864441	0	1	0	0										
18	4631	4.12E-05	6.45E-05	0.999894	1.25E-07			3	3	0.999894	0	0	1	0										
19	4632	0.01651	0.038936	0.944445	0.00011			3	3	0.944445	0	0	1	0										
20	4633	0.005348	0.85714	0.136442	0.00107			2	2	0.85714	0	1	0	0										
21	4634	0.004993	0.001054	0.993952	1.13E-06			3	3	0.993952	0	0	1	0										
22	4635	0.000112	0.99934	0.000547	4.06E-07			2	2	0.99934	0	1	0	0										
23	4636	0.00123	0.970346	0.028408	1.55E-05			2	2	0.970346	0	1	0	0										
24	4637	0.029852	0.006823	0.963317	8.15E-06			3	3	0.963317	0	0	1	0										
25	4638	0.000304	0.001182	0.998512	2.05E-06			3	3	0.998512	0	0	1	0										
26	4639	0.023109	0.016453	0.960344	9.32E-05			3	3	0.960344	0	0	1	0										
27	4640	0.002127	0.370565	0.62171	0.005598			3	3	0.62171	0	0	1	0										
28	4641	0.002688	0.373107	0.619486	0.004719			3	3	0.619486	0	0	1	0										
29	4642	0.018263	0.003497	0.978197	4.24E-05			3	3	0.978197	0	0	1	0										
30	4643	0.002413	0.261244	0.732078	0.004265			3	3	0.732078	0	0	1	0										
31	4644	0.01892	0.003943	0.977095	4.25E-05			3	3	0.977095	0	0	1	0										
32	4645	0.017575	0.03165	0.95068	9.45E-05			3	3	0.95068	0	0	1	0										
33	4646	0.000292	0.842793	0.156858	5.68E-05			2	2	0.842793	0	1	0	0										
34	4647	0.076175	0.831362	0.083377	0.009086			2	2	0.831362	0	1	0	0										
35	4648	0.874938	0.121036	0.00385	0.000176			1	1	0.874938	1	0	0	0										
36	4649	0.006392	0.685632	0.305191	0.002785			2	2	0.685632	0	1	0	0										
37	4650	0.046807	0.039786	0.905612	0.007795			3	3	0.905612	0	0	1	0										
38	4651	0.09767	0.063856	0.832465	0.00601			3	3	0.832465	0	0	1	0										
39	4652	0.502329	0.165205	0.331922	0.000544			1	1	0.502329	1	0	0	0										
40	4653	0.003406	0.818944	0.17244	0.00521			2	2	0.818944	0	1	0	0										
41	4654	0.001142	0.08639	0.899087	0.013381			3	3	0.899087	0	0	1	0										
42	4655	0.532033	0.325898	0.141906	0.000162			1	1	0.532033	1	0	0	0										

pred 20470 | pred 20473 | pred 20492 | **pred 20526** | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

20586


Excel File Edit View Insert Format Tools Data Window Help
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Book32 (1)
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10
Wrap Text
General
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
J7
Prediction results using data sheet 20586 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 20586: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 20586: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4658 1.32E-07 7.82E-05 0.909978 0.089943 3 3 0.909978 0 0 1 0
4659 8.72E-05 0.010477 0.938678 0.050758 3 3 0.938678 0 0 1 0
4660 0.000407 0.042208 0.924581 0.032804 3 3 0.924581 0 0 1 0
4661 0.00036 0.034444 0.934732 0.030464 3 3 0.934732 0 0 1 0
4662 0.000174 0.009977 0.975415 0.014434 3 3 0.975415 0 0 1 0
4663 4.16E-07 0.005957 0.993787 0.000256 3 3 0.993787 0 0 1 0
4664 1.5E-05 0.064391 0.933816 0.001778 3 3 0.933816 0 0 1 0
4665 0.001541 0.297225 0.663923 0.037311 3 3 0.663923 0 0 1 0
4666 0.000529 0.283299 0.574288 0.141884 3 3 0.574288 0 0 1 0
4667 0.000857 0.367618 0.541523 0.090003 3 3 0.541523 0 0 1 0
4668 0.000822 0.660531 0.272201 0.066446 2 2 0.660531 0 1 0 0
4669 0.000331 0.826379 0.140584 0.032707 2 2 0.826379 0 1 0 0
4670 0.000295 0.772016 0.130199 0.097489 2 2 0.772016 0 1 0 0
4671 0.000231 0.791152 0.107989 0.100629 2 2 0.791152 0 1 0 0
4672 0.000134 0.886314 0.052248 0.061305 2 2 0.886314 0 1 0 0
4673 5.52E-05 0.398519 0.199592 0.401833 4 4 0.401833 0 0 0 1
4674 8.61E-05 0.168465 0.366112 0.465336 4 4 0.465336 0 0 0 1
4675 0.000111 0.233608 0.305092 0.461189 4 4 0.461189 0 0 0 1
4676 0.000104 0.487784 0.153304 0.358808 2 2 0.487784 0 1 0 0
4677 0.000134 0.300015 0.293489 0.406362 4 4 0.406362 0 0 0 1
4678 0.000187 0.201648 0.478243 0.319922 3 3 0.478243 0 0 1 0
4679 0.000499 0.299401 0.542632 0.157468 3 3 0.542632 0 0 1 0
4680 0.000212 0.945643 0.036714 0.017431 2 2 0.945643 0 1 0 0
4681 0.000872 0.916299 0.080037 0.002793 2 2 0.916299 0 1 0 0
4682 0.000326 0.330443 0.66557 0.003662 3 3 0.66557 0 0 1 0
4683 0.001733 0.032883 0.96283 0.002554 3 3 0.96283 0 0 1 0
4684 2.1E-06 2.53E-05 0.999509 0.000463 3 3 0.999509 0 0 1 0
4685 0.000316 0.003979 0.994396 0.001309 3 3 0.994396 0 0 1 0
4686 0.000191 0.003152 0.994732 0.001926 3 3 0.994732 0 0 1 0
4687 4.81E-07 8.08E-06 0.999072 0.000919 3 3 0.999072 0 0 1 0
pred 20470 pred 20473 pred 20492 pred 20526 pred 20586 pred 20784 pred 21072 pred 21539 pred 21562 pred 21572 pred 21573 pred 21575
Ready
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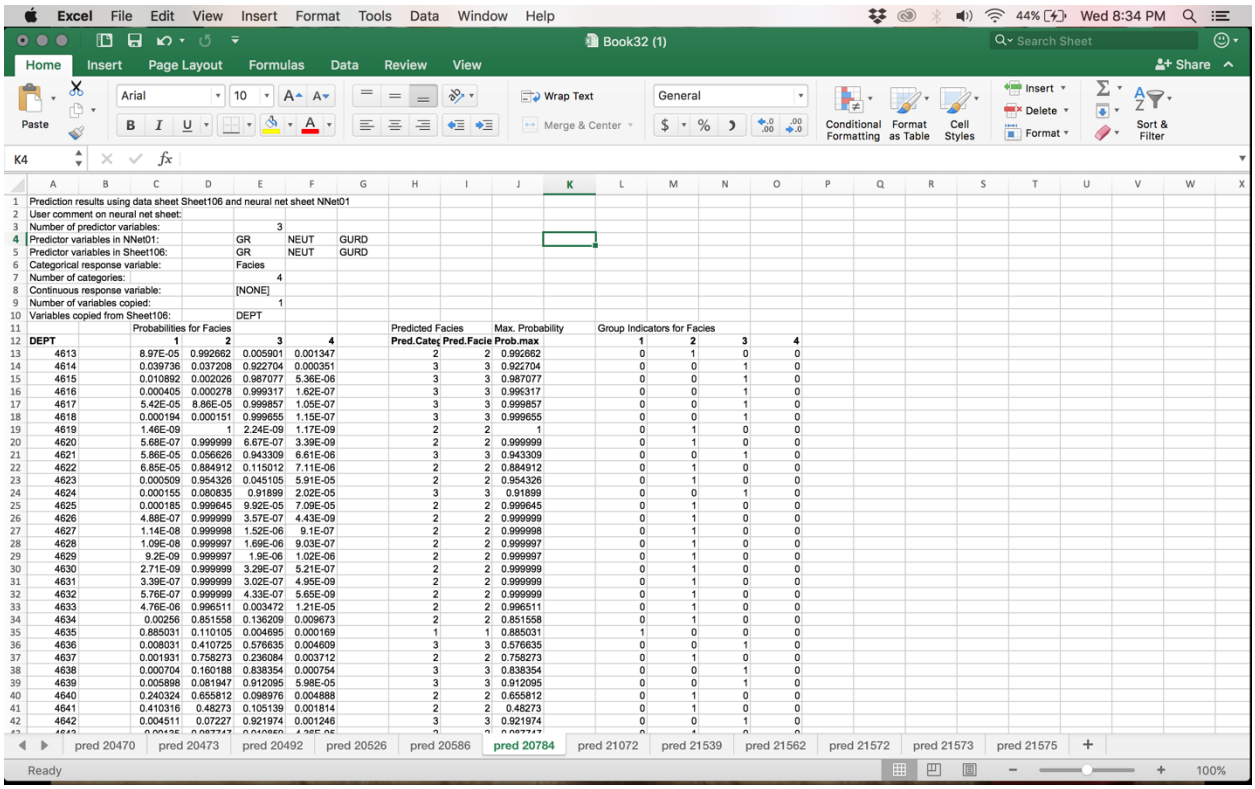
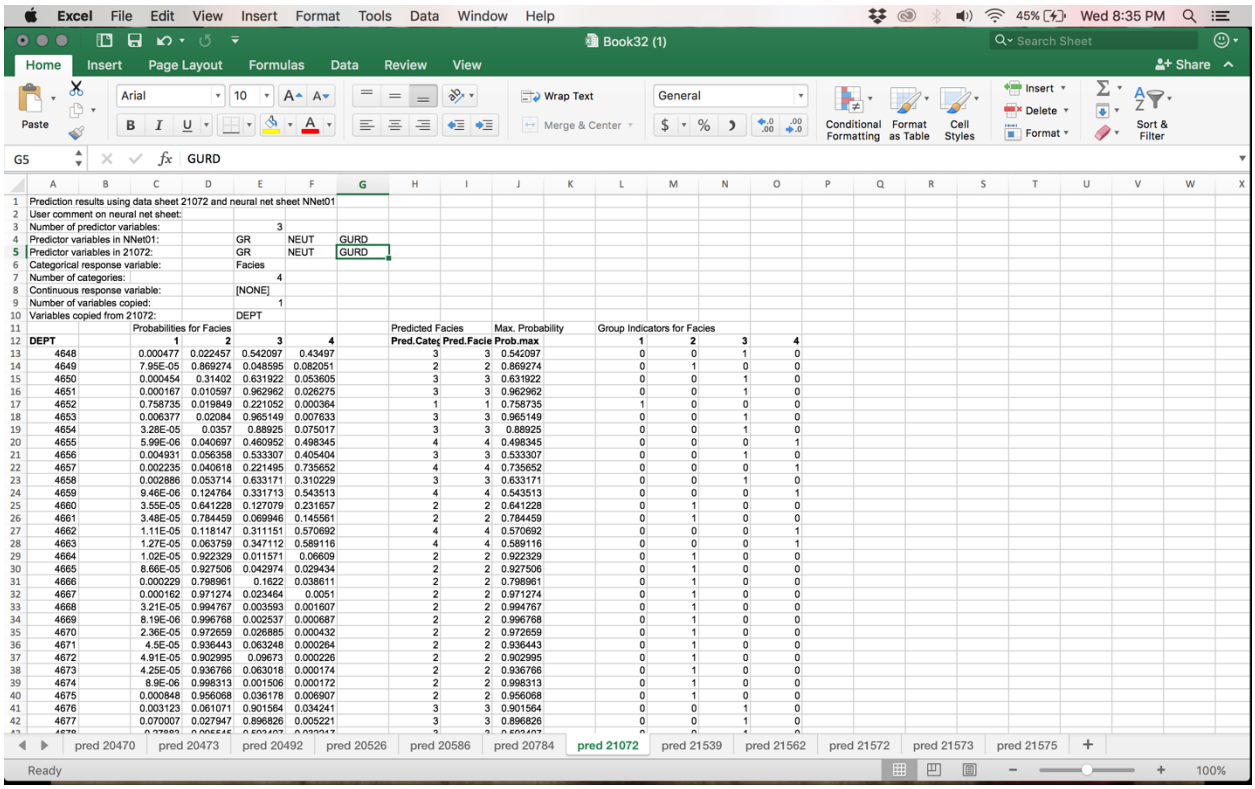
20784



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet Sheet106 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in Sheet106:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from Sheet106:				DEPT																			
11		Probabilities for Facies						Predicted Facies		Max. Probability	Group Indicators for Facies													
12	DEPT	1	2	3	4			Pred.Categ	Pred.Facie	Prob.max	1	2	3	4										
13	4613	8.97E-05	0.992662	0.005901	0.001347			2	2	0.992662	0	1	0	0										
14	4614	0.039736	0.037208	0.922704	0.000351			3	3	0.922704	0	0	1	0										
15	4615	0.010892	0.002026	0.987077	5.36E-06			3	3	0.987077	0	0	1	0										
16	4616	0.000405	0.000278	0.999317	1.62E-07			3	3	0.999317	0	0	1	0										
17	4617	5.42E-05	8.86E-05	0.999857	1.05E-07			3	3	0.999857	0	0	1	0										
18	4618	0.000194	0.000151	0.999655	1.15E-07			3	3	0.999655	0	0	1	0										
19	4619	1.46E-09	1	2.24E-09	1.17E-09			2	2	1	0	1	0	0										
20	4620	5.68E-07	0.999999	6.67E-07	3.39E-09			2	2	0.999999	0	1	0	0										
21	4621	5.86E-05	0.056626	0.943309	6.61E-06			3	3	0.943309	0	0	1	0										
22	4622	6.85E-05	0.884912	0.115012	7.11E-06			2	2	0.884912	0	1	0	0										
23	4623	0.000509	0.954326	0.045105	5.91E-05			2	2	0.954326	0	1	0	0										
24	4624	0.000155	0.080835	0.91899	2.02E-05			3	3	0.91899	0	0	1	0										
25	4625	0.000185	0.999645	9.92E-05	7.09E-05			2	2	0.999645	0	1	0	0										
26	4626	4.88E-07	0.999999	3.57E-07	4.43E-09			2	2	0.999999	0	1	0	0										
27	4627	1.14E-08	0.999998	1.52E-06	9.1E-07			2	2	0.999998	0	1	0	0										
28	4628	1.09E-08	0.999997	1.69E-06	9.03E-07			2	2	0.999997	0	1	0	0										
29	4629	9.2E-09	0.999997	1.9E-06	1.02E-06			2	2	0.999997	0	1	0	0										
30	4630	2.71E-09	0.999999	3.29E-07	5.21E-07			2	2	0.999999	0	1	0	0										
31	4631	3.39E-07	0.999999	3.02E-07	4.95E-09			2	2	0.999999	0	1	0	0										
32	4632	5.76E-07	0.999999	4.33E-07	5.65E-09			2	2	0.999999	0	1	0	0										
33	4633	4.76E-06	0.996511	0.003472	1.21E-05			2	2	0.996511	0	1	0	0										
34	4634	0.00256	0.851558	0.136209	0.009673			2	2	0.851558	0	1	0	0										
35	4635	0.885031	0.110105	0.004695	0.000169			1	1	0.885031	1	0	0	0										
36	4636	0.008031	0.410725	0.576635	0.004609			3	3	0.576635	0	0	1	0										
37	4637	0.001931	0.758273	0.236084	0.003712			2	2	0.758273	0	1	0	0										
38	4638	0.000704	0.160188	0.838354	0.000754			3	3	0.838354	0	0	1	0										
39	4639	0.005898	0.081947	0.912095	5.98E-05			3	3	0.912095	0	0	1	0										
40	4640	0.240324	0.655812	0.098976	0.004888			2	2	0.655812	0	1	0	0										
41	4641	0.410316	0.48273	0.105139	0.001814			2	2	0.48273	0	1	0	0										
42	4642	0.004511	0.07227	0.921974	0.001246			3	3	0.921974	0	0	1	0										

pred 20470 | pred 20473 | pred 20492 | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

21072



Book32 (1)

Prediction results using data sheet 21072 and neural net sheet NNet01

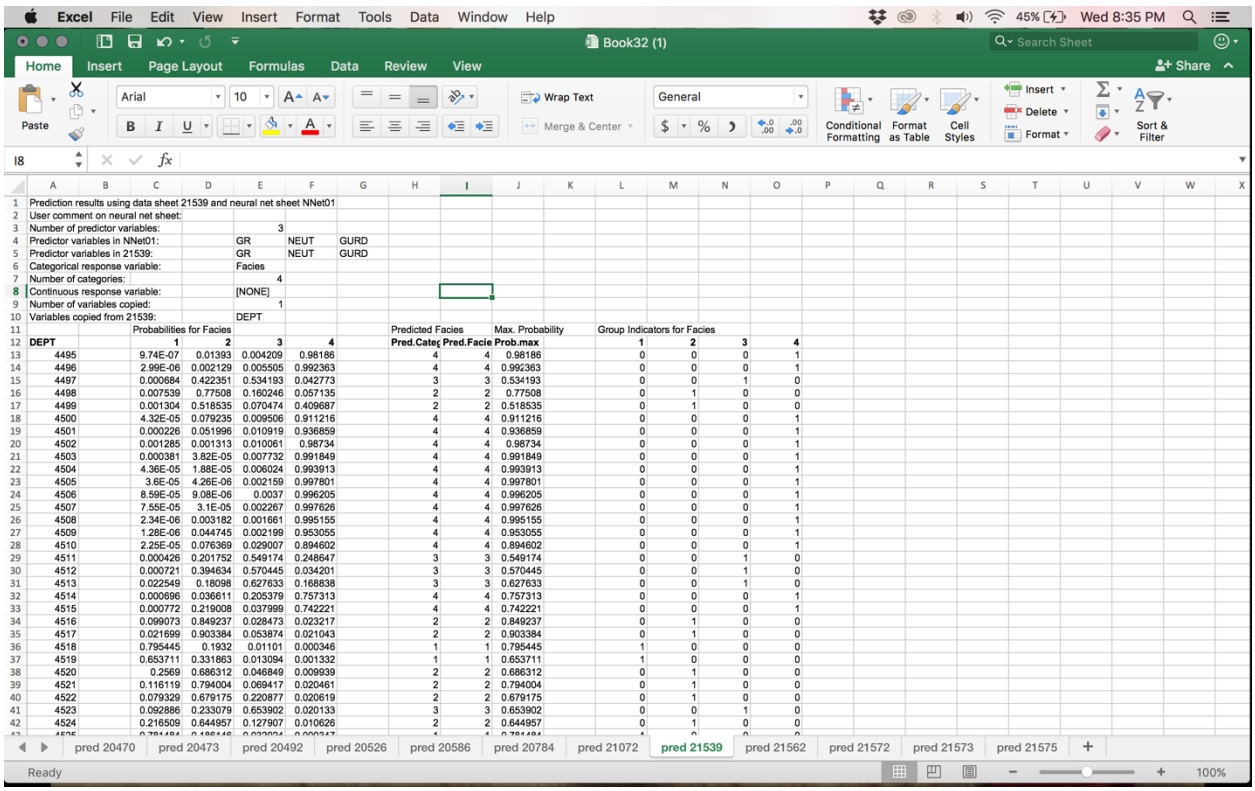
User comment on neural net sheet:	
Number of predictor variables:	3
Predictor variables in NNet01:	GR NEUT GURD
Predictor variables in 21072:	GR NEUT GURD
Categorical response variable:	Facies
Number of categories:	4
Continuous response variable:	[NONE]
Number of variables copied:	1
Variables copied from 21072:	DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4648	0.000477	0.022457	0.542097	0.43497	3	3	0.542097	0	0	1	0
4649	7.95E-05	0.869274	0.048595	0.082051	2	2	0.869274	0	1	0	0
4650	0.000454	0.31402	0.631922	0.053605	3	3	0.631922	0	0	1	0
4651	0.000167	0.010597	0.962962	0.026275	3	3	0.962962	0	0	1	0
4652	0.758735	0.019849	0.221052	0.000364	1	1	0.758735	1	0	0	0
4653	0.006377	0.02084	0.965149	0.007633	3	3	0.965149	0	0	1	0
4654	3.28E-05	0.0357	0.88925	0.075017	3	3	0.88925	0	0	1	0
4655	5.99E-06	0.040697	0.460952	0.498345	4	4	0.498345	0	0	0	1
4656	0.004931	0.056359	0.533307	0.405404	3	3	0.533307	0	0	1	0
4657	0.002235	0.040618	0.221495	0.735652	4	4	0.735652	0	0	0	1
4658	0.002886	0.053714	0.633171	0.310229	3	3	0.633171	0	0	1	0
4659	9.46E-06	0.124764	0.331713	0.543513	4	4	0.543513	0	0	0	1
4660	3.55E-05	0.641228	0.127079	0.231657	2	2	0.641228	0	1	0	0
4661	3.48E-05	0.784459	0.069946	0.145561	2	2	0.784459	0	1	0	0
4662	1.11E-05	0.118147	0.311151	0.570692	4	4	0.570692	0	0	0	1
4663	1.27E-05	0.063759	0.347112	0.589116	4	4	0.589116	0	0	0	1
4664	1.02E-05	0.922329	0.011571	0.06609	2	2	0.922329	0	1	0	0
4665	8.66E-05	0.927506	0.042974	0.029434	2	2	0.927506	0	1	0	0
4666	0.000229	0.798961	0.1622	0.038611	2	2	0.798961	0	1	0	0
4667	0.000162	0.971274	0.023464	0.0051	2	2	0.971274	0	1	0	0
4668	3.21E-05	0.994767	0.003593	0.001607	2	2	0.994767	0	1	0	0
4669	8.19E-06	0.996768	0.002537	0.000687	2	2	0.996768	0	1	0	0
4670	2.36E-05	0.972659	0.026885	0.000432	2	2	0.972659	0	1	0	0
4671	4.5E-05	0.936443	0.063248	0.000264	2	2	0.936443	0	1	0	0
4672	4.91E-05	0.902995	0.09673	0.000226	2	2	0.902995	0	1	0	0
4673	4.25E-05	0.936766	0.063018	0.000174	2	2	0.936766	0	1	0	0
4674	8.9E-06	0.998313	0.001506	0.000172	2	2	0.998313	0	1	0	0
4675	0.000848	0.956068	0.036178	0.006907	2	2	0.956068	0	1	0	0
4676	0.003123	0.061071	0.901564	0.034241	3	3	0.901564	0	0	1	0
4677	0.070007	0.027947	0.896826	0.005221	3	3	0.896826	0	0	1	0

pred 20470 | pred 20473 | pred 20492 | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

Ready

21539



Book32 (1)

Prediction results using data sheet 21539 and neural net sheet NNet01

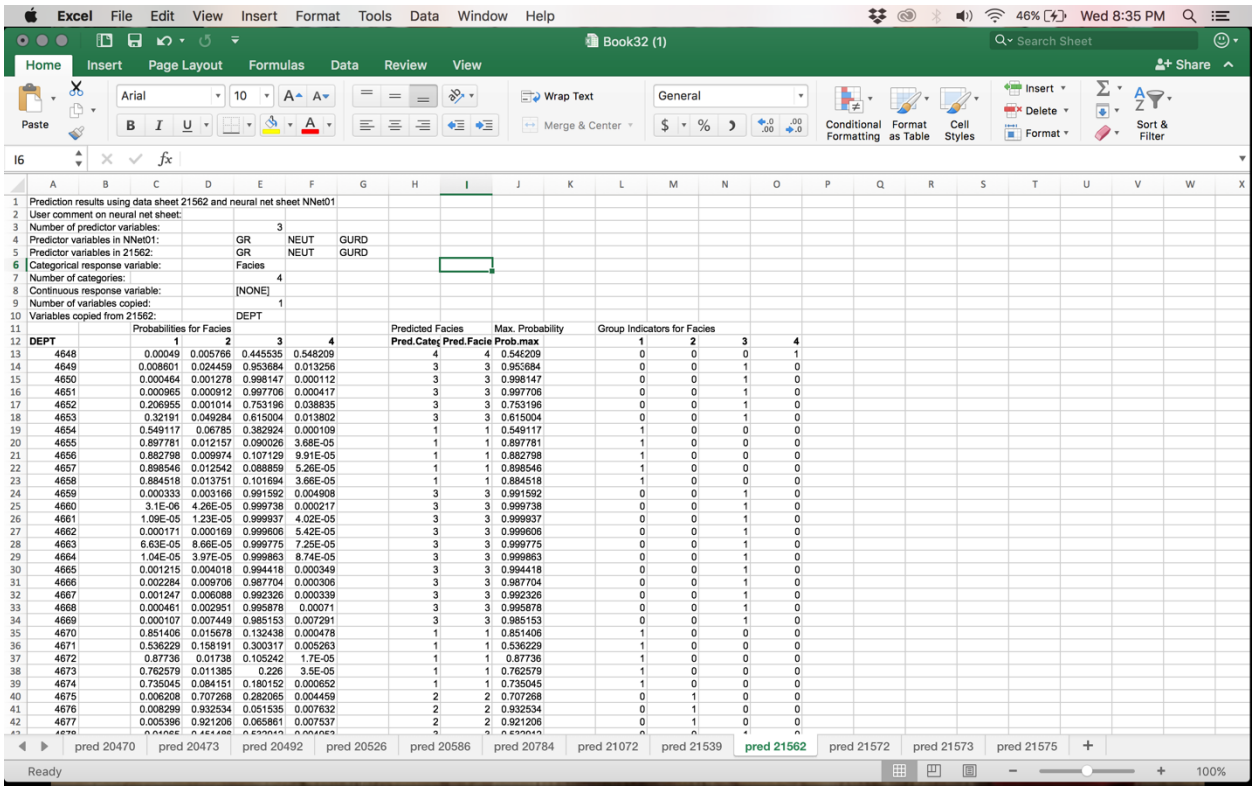
User comment on neural net sheet:	
Number of predictor variables:	3
Predictor variables in NNet01:	GR NEUT GURD
Predictor variables in 21539:	GR NEUT GURD
Categorical response variable:	Facies
Number of categories:	4
Continuous response variable:	[NONE]
Number of variables copied:	1
Variables copied from 21539:	DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4495	9.74E-07	0.01393	0.004209	0.98186	4	4	0.98186	0	0	0	1
4496	2.99E-06	0.002129	0.005505	0.992363	4	4	0.992363	0	0	0	1
4497	0.000684	0.422351	0.534193	0.042773	3	3	0.534193	0	0	1	0
4498	0.007539	0.77508	0.160246	0.057135	2	2	0.77508	0	1	0	0
4499	0.001304	0.518535	0.070474	0.409687	2	2	0.518535	0	1	0	0
4500	4.32E-05	0.079235	0.009506	0.911216	4	4	0.911216	0	0	0	1
4501	0.000226	0.051996	0.010919	0.936859	4	4	0.936859	0	0	0	1
4502	0.001285	0.001313	0.010061	0.98734	4	4	0.98734	0	0	0	1
4503	0.000381	3.82E-05	0.007732	0.991849	4	4	0.991849	0	0	0	1
4504	4.36E-05	1.88E-05	0.006024	0.993913	4	4	0.993913	0	0	0	1
4505	3.6E-05	4.26E-06	0.002159	0.997801	4	4	0.997801	0	0	0	1
4506	8.59E-05	9.08E-06	0.0037	0.996205	4	4	0.996205	0	0	0	1
4507	7.55E-05	3.1E-05	0.002267	0.997626	4	4	0.997626	0	0	0	1
4508	2.34E-06	0.003182	0.001661	0.995155	4	4	0.995155	0	0	0	1
4509	1.28E-06	0.044745	0.002199	0.953055	4	4	0.953055	0	0	0	1
4510	2.25E-05	0.076369	0.029007	0.894602	4	4	0.894602	0	0	0	1
4511	0.000426	0.201752	0.549174	0.248647	3	3	0.549174	0	0	1	0
4512	0.000721	0.394634	0.570445	0.034201	3	3	0.570445	0	0	1	0
4513	0.022549	0.18098	0.627633	0.168838	3	3	0.627633	0	0	1	0
4514	0.000696	0.036611	0.205379	0.757313	4	4	0.757313	0	0	0	1
4515	0.000772	0.219008	0.037999	0.742221	4	4	0.742221	0	0	0	1
4516	0.099073	0.849237	0.028473	0.023217	2	2	0.849237	0	1	0	0
4517	0.021699	0.903384	0.053874	0.021043	2	2	0.903384	0	1	0	0
4518	0.795445	0.1932	0.01101	0.000346	1	1	0.795445	1	0	0	0
4519	0.653711	0.331863	0.013094	0.001332	1	1	0.653711	1	0	0	0
4520	0.2569	0.686312	0.046849	0.009939	2	2	0.686312	0	1	0	0
4521	0.116119	0.794004	0.069417	0.020461	2	2	0.794004	0	1	0	0
4522	0.079329	0.679175	0.220877	0.020619	2	2	0.679175	0	1	0	0
4523	0.092886	0.233079	0.653902	0.020133	3	3	0.653902	0	0	1	0
4524	0.216509	0.644957	0.127307	0.010626	2	2	0.644957	0	1	0	0

pred 20470 | pred 20473 | pred 20492 | pred 20526 | pred 20586 | pred 20784 | pred 21072 | pred 21539 | pred 21562 | pred 21572 | pred 21573 | pred 21575

Ready

21562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Search Sheet
Home Insert Page Layout Formulas Data Review View
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10
Wrap Text
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Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
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I6
Prediction results using data sheet 21562 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21562: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21562: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4648 0.00049 0.005766 0.445535 0.548209 4 4 0.548209 0 0 0 1
4649 0.008601 0.024459 0.953684 0.013256 3 3 0.953684 0 0 1 0
4650 0.000464 0.001278 0.998147 0.000112 3 3 0.998147 0 0 1 0
4651 0.000965 0.000912 0.997706 0.000417 3 3 0.997706 0 0 1 0
4652 0.206955 0.001014 0.753196 0.038835 3 3 0.753196 0 0 1 0
4653 0.32191 0.049284 0.615004 0.013802 3 3 0.615004 0 0 1 0
4654 0.549117 0.06785 0.382924 0.000109 1 1 0.549117 1 0 0 0
4655 0.897781 0.012157 0.090026 3.68E-05 1 1 0.897781 1 0 0 0
4656 0.882798 0.009974 0.107129 9.91E-05 1 1 0.882798 1 0 0 0
4657 0.898546 0.012542 0.088859 5.26E-05 1 1 0.898546 1 0 0 0
4658 0.884518 0.013751 0.101694 3.66E-05 1 1 0.884518 1 0 0 0
4659 0.000333 0.003166 0.991592 0.004908 3 3 0.991592 0 0 1 0
4660 3.1E-06 4.26E-05 0.999738 0.000217 3 3 0.999738 0 0 1 0
4661 1.09E-05 1.23E-05 0.999937 4.02E-05 3 3 0.999937 0 0 1 0
4662 0.000171 0.000169 0.999606 5.42E-05 3 3 0.999606 0 0 1 0
4663 6.63E-05 8.66E-05 0.999775 7.25E-05 3 3 0.999775 0 0 1 0
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4665 0.001215 0.004018 0.994418 0.000349 3 3 0.994418 0 0 1 0
4666 0.002284 0.009706 0.987704 0.000306 3 3 0.987704 0 0 1 0
4667 0.001247 0.006088 0.992326 0.000339 3 3 0.992326 0 0 1 0
4668 0.000461 0.002951 0.995878 0.00071 3 3 0.995878 0 0 1 0
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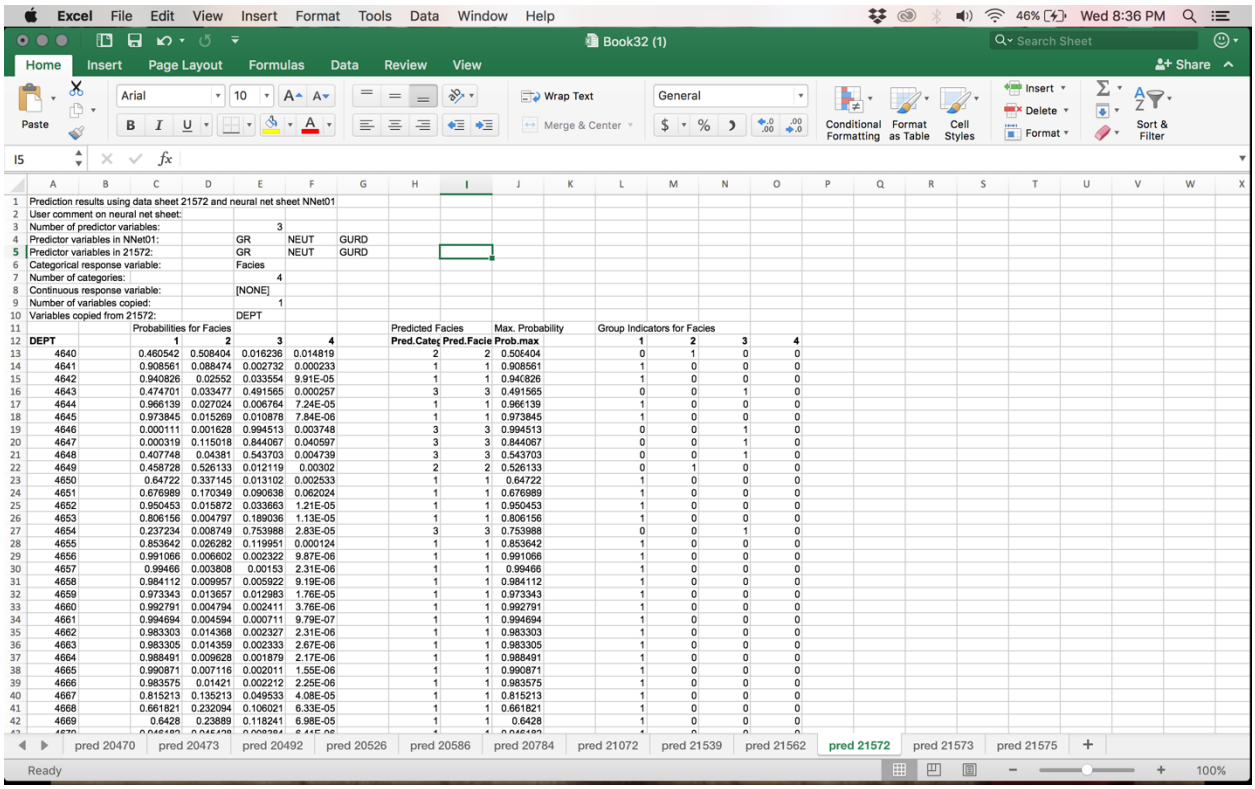
4670 0.851406 0.015678 0.132438 0.000478 1 1 0.851406 1 0 0 0
4671 0.536229 0.158191 0.300317 0.005263 1 1 0.536229 1 0 0 0
4672 0.87736 0.01738 0.105242 1.7E-05 1 1 0.87736 1 0 0 0
4673 0.762579 0.011385 0.226 3.5E-05 1 1 0.762579 1 0 0 0
4674 0.735045 0.084151 0.180152 0.000652 1 1 0.735045 1 0 0 0
4675 0.006208 0.707268 0.282065 0.004459 2 2 0.707268 0 1 0 0
4676 0.008299 0.932534 0.051535 0.007632 2 2 0.932534 0 1 0 0
4677 0.005396 0.921206 0.065861 0.007537 2 2 0.921206 0 1 0 0
pred 20470 pred 20473 pred 20492 pred 20526 pred 20586 pred 20784 pred 21072 pred 21539 pred 21562 pred 21572 pred 21573 pred 21575
Ready
100%

21572


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:36 PM
Book32 (1)
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
I5
Prediction results using data sheet 21572 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21572: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21572: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4640 0.460542 0.508404 0.016236 0.014819 2 2 0.508404 0 1 0 0
4641 0.908561 0.088474 0.002732 0.000233 1 1 0.908561 1 0 0 0
4642 0.940826 0.02552 0.033554 9.91E-05 1 1 0.940826 1 0 0 0
4643 0.474701 0.033477 0.491565 0.000257 3 3 0.491565 0 0 1 0
4644 0.966139 0.027024 0.006764 7.24E-05 1 1 0.966139 1 0 0 0
4645 0.973845 0.015269 0.010878 7.84E-06 1 1 0.973845 1 0 0 0
4646 0.000111 0.001628 0.994513 0.003748 3 3 0.994513 0 0 1 0
4647 0.000319 0.115018 0.844067 0.040597 3 3 0.844067 0 0 1 0
4648 0.407748 0.04381 0.543703 0.004739 3 3 0.543703 0 0 1 0
4649 0.458728 0.526133 0.012119 0.00302 2 2 0.526133 0 1 0 0
4650 0.64722 0.337145 0.013102 0.002533 1 1 0.64722 1 0 0 0
4651 0.676989 0.170349 0.090638 0.062024 1 1 0.676989 1 0 0 0
4652 0.950453 0.015872 0.033663 1.21E-05 1 1 0.950453 1 0 0 0
4653 0.806156 0.004797 0.189036 1.13E-05 1 1 0.806156 1 0 0 0
4654 0.237234 0.008749 0.753988 2.83E-05 3 3 0.753988 0 0 1 0
4655 0.853642 0.026282 0.119951 0.000124 1 1 0.853642 1 0 0 0
4656 0.991066 0.006602 0.002322 9.87E-06 1 1 0.991066 1 0 0 0
4657 0.99466 0.003808 0.00153 2.31E-06 1 1 0.99466 1 0 0 0
4658 0.984112 0.009957 0.005922 9.19E-06 1 1 0.984112 1 0 0 0
4659 0.973343 0.013657 0.012983 1.76E-05 1 1 0.973343 1 0 0 0
4660 0.992791 0.004794 0.002411 3.76E-06 1 1 0.992791 1 0 0 0
4661 0.994694 0.004594 0.000711 9.79E-07 1 1 0.994694 1 0 0 0
4662 0.983303 0.014368 0.002327 2.31E-06 1 1 0.983303 1 0 0 0
4663 0.983305 0.014359 0.002333 2.67E-06 1 1 0.983305 1 0 0 0
4664 0.988491 0.009628 0.001879 2.17E-06 1 1 0.988491 1 0 0 0
4665 0.990871 0.007116 0.002011 1.55E-06 1 1 0.990871 1 0 0 0
4666 0.983575 0.01421 0.002212 2.25E-06 1 1 0.983575 1 0 0 0
4667 0.815213 0.135213 0.049533 4.08E-05 1 1 0.815213 1 0 0 0
4668 0.661821 0.232094 0.106021 6.33E-05 1 1 0.661821 1 0 0 0
4669 0.6428 0.23889 0.118241 6.98E-05 1 1 0.6428 1 0 0 0
pred 20470 pred 20473 pred 20492 pred 20526 pred 20586 pred 20784 pred 21072 pred 21539 pred 21562 pred 21572 pred 21573 pred 21575
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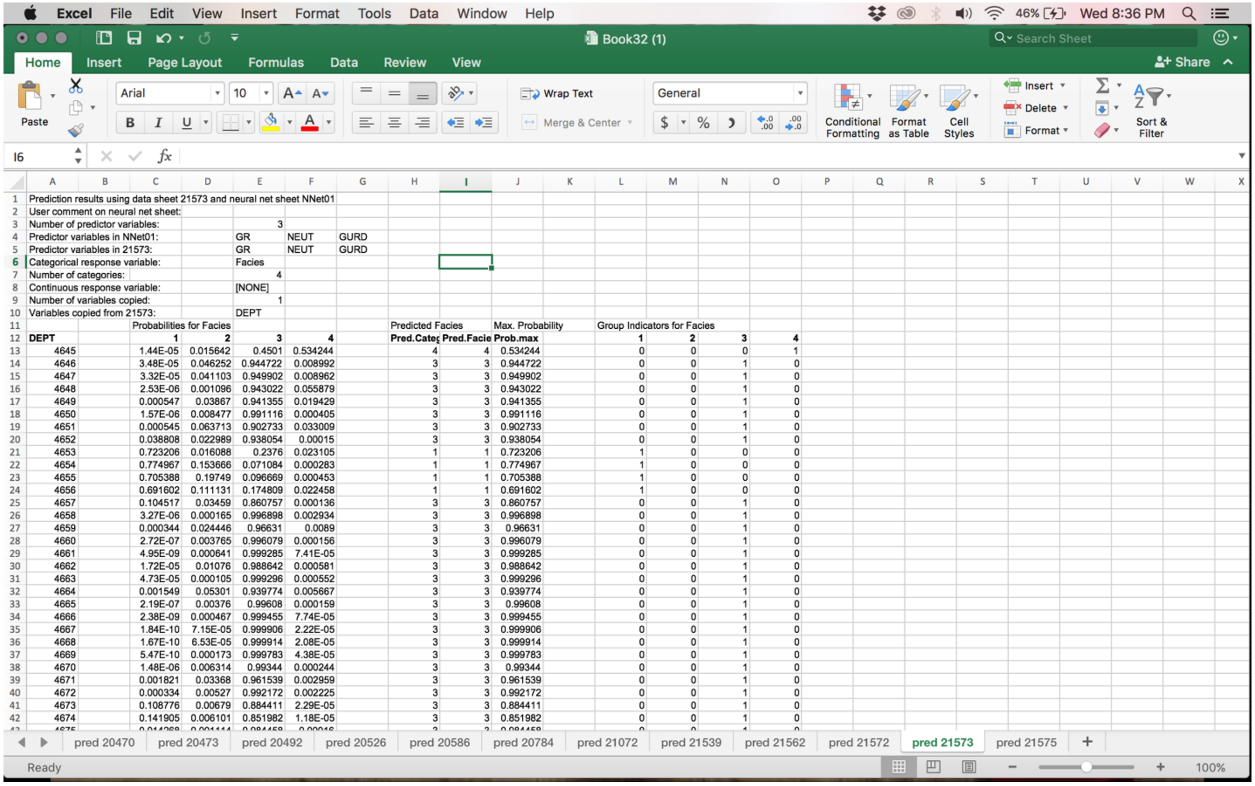
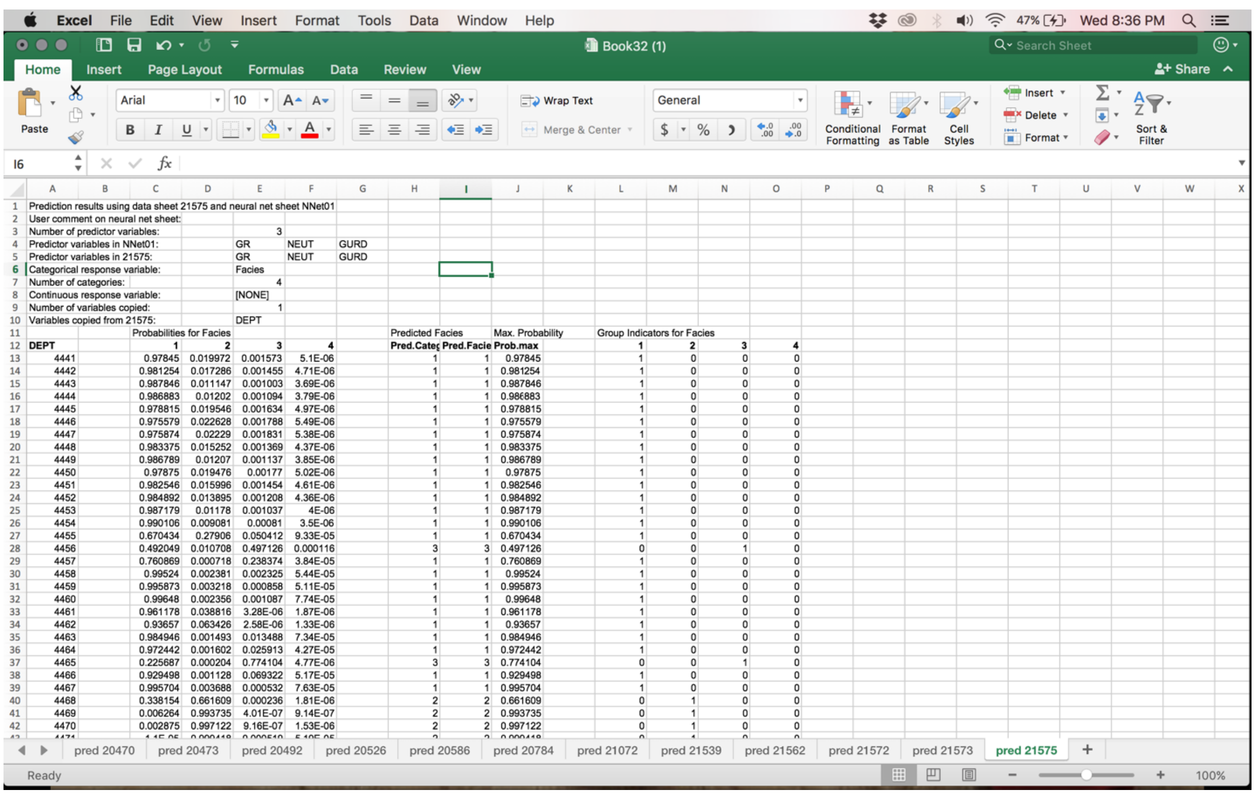
21573



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 21573 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 21573:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 21573:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies			
12	**DEPT**		**1**	**2**	**3**	**4**		**Pred.Categ**	**Pred.Facie**	**Prob.max**		**1**	**2**	**3**	**4**
13	4645		1.44E-05	0.015642	0.4501	0.534244		4	4	0.534244		0	0	0	1
14	4646		3.48E-05	0.046252	0.944722	0.008992		3	3	0.944722		0	0	1	0
15	4647		3.32E-05	0.041103	0.949902	0.008962		3	3	0.949902		0	0	1	0
16	4648		2.53E-06	0.001096	0.943022	0.055879		3	3	0.943022		0	0	1	0
17	4649		0.000547	0.03867	0.941355	0.019429		3	3	0.941355		0	0	1	0
18	4650		1.57E-06	0.008477	0.991116	0.000405		3	3	0.991116		0	0	1	0
19	4651		0.000545	0.063713	0.902733	0.033009		3	3	0.902733		0	0	1	0
20	4652		0.038808	0.022989	0.938054	0.00015		3	3	0.938054		0	0	1	0
21	4653		0.723206	0.016088	0.2376	0.023105		1	1	0.723206		1	0	0	0
22	4654		0.774967	0.153666	0.071084	0.000283		1	1	0.774967		1	0	0	0
23	4655		0.705388	0.19749	0.096669	0.000453		1	1	0.705388		1	0	0	0
24	4656		0.691602	0.111131	0.174809	0.022458		1	1	0.691602		1	0	0	0
25	4657		0.104517	0.03459	0.860757	0.000136		3	3	0.860757		0	0	1	0
26	4658		3.27E-06	0.000165	0.996898	0.002934		3	3	0.996898		0	0	1	0
27	4659		0.000344	0.024446	0.96631	0.0089		3	3	0.96631		0	0	1	0
28	4660		2.72E-07	0.003765	0.996079	0.000156		3	3	0.996079		0	0	1	0
29	4661		4.95E-09	0.000641	0.999285	7.41E-05		3	3	0.999285		0	0	1	0
30	4662		1.72E-05	0.01076	0.988642	0.000581		3	3	0.988642		0	0	1	0
31	4663		4.73E-05	0.000105	0.999296	0.000552		3	3	0.999296		0	0	1	0
32	4664		0.001549	0.05301	0.939774	0.005667		3	3	0.939774		0	0	1	0
33	4665		2.19E-07	0.00376	0.99608	0.000159		3	3	0.99608		0	0	1	0
34	4666		2.38E-09	0.000467	0.999455	7.74E-05		3	3	0.999455		0	0	1	0
35	4667		1.84E-10	7.15E-05	0.999906	2.22E-05		3	3	0.999906		0	0	1	0
36	4668		1.67E-10	6.53E-05	0.999914	2.08E-05		3	3	0.999914		0	0	1	0
37	4669		5.47E-10	0.000173	0.999783	4.38E-05		3	3	0.999783		0	0	1	0
38	4670		1.48E-06	0.006314	0.99344	0.000244		3	3	0.99344		0	0	1	0
39	4671		0.001821	0.03368	0.961539	0.002959		3	3	0.961539		0	0	1	0
40	4672		0.000334	0.00527	0.992172	0.002225		3	3	0.992172		0	0	1	0
41	4673		0.108776	0.00679	0.884411	2.29E-05		3	3	0.884411		0	0	1	0
42	4674		0.141905	0.006101	0.851982	1.18E-05		3	3	0.851982		0	0	1	0

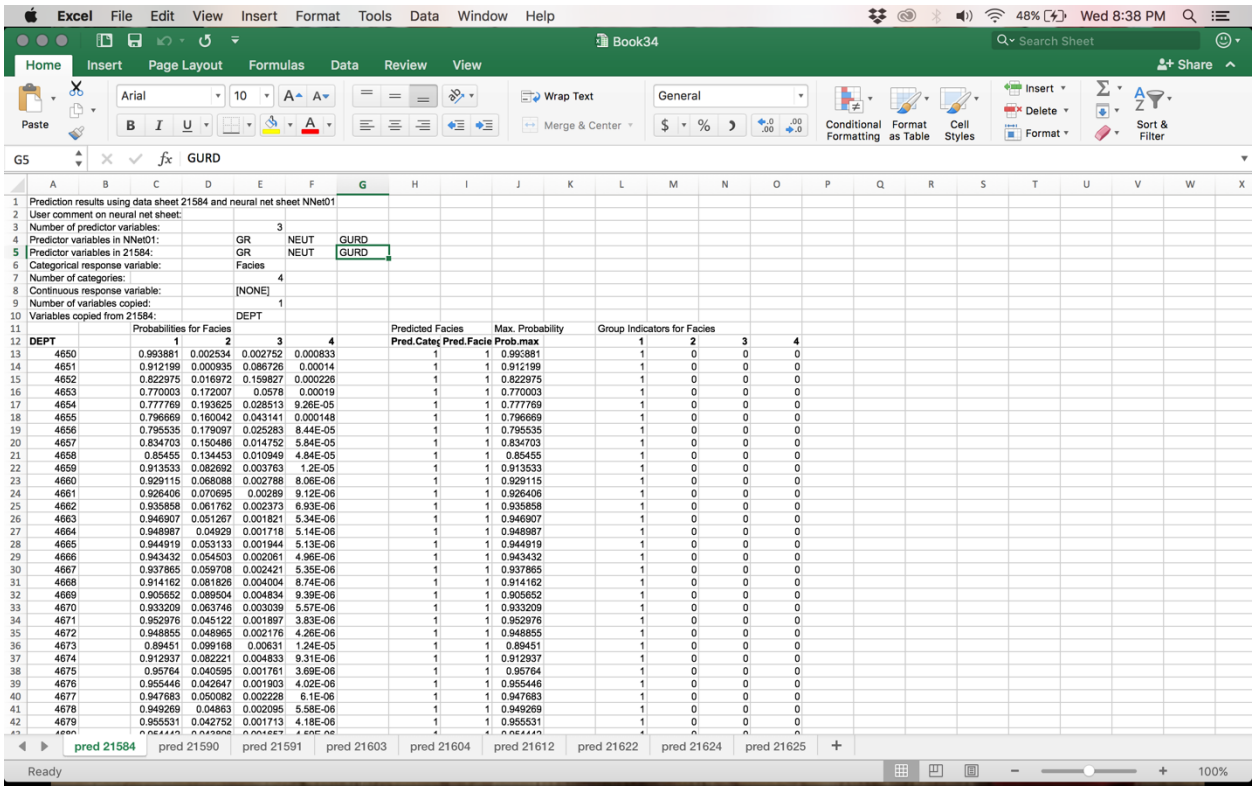
21575



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 21575 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 21575:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 21575:				DEPT										
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies			
12	**DEPT**		**1**	**2**	**3**	**4**		**Pred.Categ**	**Pred.Facie**	**Prob.max**		**1**	**2**	**3**	**4**
13	4441		0.97845	0.019972	0.001573	5.1E-06		1	1	0.97845		1	0	0	0
14	4442		0.981254	0.017286	0.001455	4.71E-06		1	1	0.981254		1	0	0	0
15	4443		0.987846	0.011147	0.001003	3.69E-06		1	1	0.987846		1	0	0	0
16	4444		0.986883	0.01202	0.001094	3.79E-06		1	1	0.986883		1	0	0	0
17	4445		0.978815	0.019546	0.001634	4.97E-06		1	1	0.978815		1	0	0	0
18	4446		0.975579	0.022628	0.001788	5.49E-06		1	1	0.975579		1	0	0	0
19	4447		0.975874	0.02229	0.001831	5.38E-06		1	1	0.975874		1	0	0	0
20	4448		0.983375	0.015252	0.001369	4.37E-06		1	1	0.983375		1	0	0	0
21	4449		0.986789	0.01207	0.001137	3.85E-06		1	1	0.986789		1	0	0	0
22	4450		0.97875	0.019476	0.00177	5.02E-06		1	1	0.97875		1	0	0	0
23	4451		0.982546	0.015996	0.001454	4.61E-06		1	1	0.982546		1	0	0	0
24	4452		0.984892	0.013895	0.001208	4.36E-06		1	1	0.984892		1	0	0	0
25	4453		0.987179	0.01178	0.001037	4E-06		1	1	0.987179		1	0	0	0
26	4454		0.990106	0.009081	0.00081	3.5E-06		1	1	0.990106		1	0	0	0
27	4455		0.670434	0.27906	0.050412	9.33E-05		1	1	0.670434		1	0	0	0
28	4456		0.492049	0.010708	0.497126	0.000116		3	3	0.497126		0	0	1	0
29	4457		0.760869	0.000718	0.238374	3.84E-05		1	1	0.760869		1	0	0	0
30	4458		0.99524	0.002381	0.002325	5.44E-05		1	1	0.99524		1	0	0	0
31	4459		0.995873	0.003218	0.000858	5.11E-05		1	1	0.995873		1	0	0	0
32	4460		0.99648	0.002356	0.001087	7.74E-05		1	1	0.99648		1	0	0	0
33	4461		0.961178	0.038816	3.28E-06	1.87E-06		1	1	0.961178		1	0	0	0
34	4462		0.93657	0.063426	2.58E-06	1.33E-06		1	1	0.93657		1	0	0	0
35	4463		0.984946	0.001493	0.013488	7.34E-05		1	1	0.984946		1	0	0	0
36	4464		0.972442	0.001602	0.025913	4.27E-05		1	1	0.972442		1	0	0	0
37	4465		0.225687	0.000204	0.774104	4.77E-06		3	3	0.774104		0	0	1	0
38	4466		0.929498	0.001128	0.069322	5.17E-05		1	1	0.929498		1	0	0	0
39	4467		0.995704	0.003688	0.000532	7.63E-05		1	1	0.995704		1	0	0	0
40	4468		0.338154	0.661609	0.000236	1.81E-06		2	2	0.661609		0	1	0	0
41	4469		0.006264	0.993735	4.01E-07	9.14E-07		2	2	0.993735		0	1	0	0
42	4470		0.002875	0.997122	9.16E-07	1.53E-06		2	2	0.997122		0	1	0	0

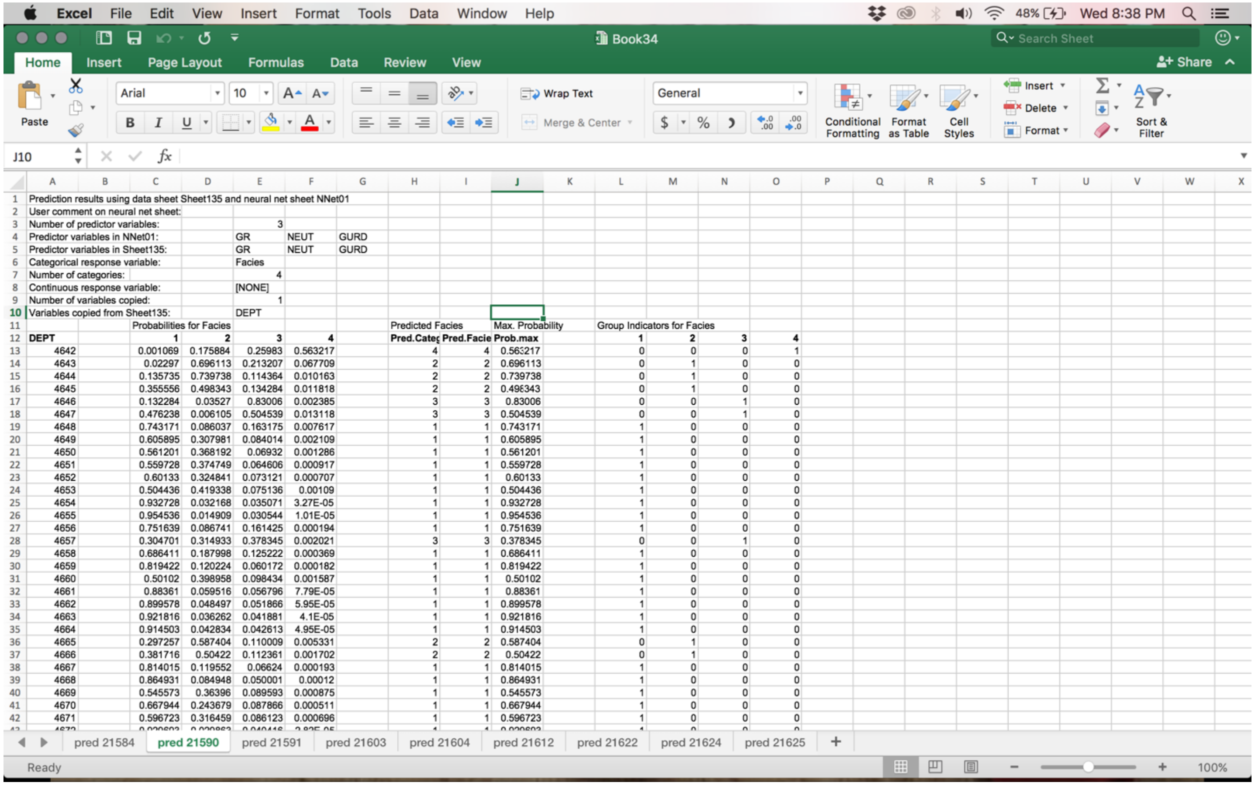
Book 34

21584



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21584 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21584:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21584:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Cate	Pred.Facie	Prob.max		1	2	3	4									
13	4650		0.993881	0.002534	0.002752	0.000833		1	1	0.993881		1	0	0	0									
14	4651		0.912199	0.000935	0.086726	0.00014		1	1	0.912199		1	0	0	0									
15	4652		0.822975	0.016972	0.159827	0.000226		1	1	0.822975		1	0	0	0									
16	4653		0.770003	0.172007	0.0578	0.00019		1	1	0.770003		1	0	0	0									
17	4654		0.777769	0.193625	0.028513	9.26E-05		1	1	0.777769		1	0	0	0									
18	4655		0.796669	0.160042	0.043141	0.000148		1	1	0.796669		1	0	0	0									
19	4656		0.795535	0.179097	0.025283	8.44E-05		1	1	0.795535		1	0	0	0									
20	4657		0.834703	0.150486	0.014752	5.84E-05		1	1	0.834703		1	0	0	0									
21	4658		0.85455	0.134453	0.010949	4.84E-05		1	1	0.85455		1	0	0	0									
22	4659		0.913533	0.082692	0.003763	1.2E-05		1	1	0.913533		1	0	0	0									
23	4660		0.929115	0.068088	0.002788	8.06E-06		1	1	0.929115		1	0	0	0									
24	4661		0.926406	0.070695	0.00289	9.12E-06		1	1	0.926406		1	0	0	0									
25	4662		0.935858	0.061762	0.002373	6.93E-06		1	1	0.935858		1	0	0	0									
26	4663		0.946907	0.051267	0.001821	5.34E-06		1	1	0.946907		1	0	0	0									
27	4664		0.948987	0.04929	0.001718	5.14E-06		1	1	0.948987		1	0	0	0									
28	4665		0.944919	0.053133	0.001944	5.13E-06		1	1	0.944919		1	0	0	0									
29	4666		0.943432	0.054503	0.002061	4.96E-06		1	1	0.943432		1	0	0	0									
30	4667		0.937865	0.059708	0.002421	5.35E-06		1	1	0.937865		1	0	0	0									
31	4668		0.914162	0.081826	0.004004	8.74E-06		1	1	0.914162		1	0	0	0									
32	4669		0.905652	0.089504	0.004834	9.39E-06		1	1	0.905652		1	0	0	0									
33	4670		0.933209	0.063746	0.003039	5.57E-06		1	1	0.933209		1	0	0	0									
34	4671		0.952976	0.045122	0.001897	3.83E-06		1	1	0.952976		1	0	0	0									
35	4672		0.948855	0.048965	0.002176	4.26E-06		1	1	0.948855		1	0	0	0									
36	4673		0.89451	0.099168	0.00631	1.24E-05		1	1	0.89451		1	0	0	0									
37	4674		0.912937	0.082221	0.004833	9.31E-06		1	1	0.912937		1	0	0	0									
38	4675		0.95764	0.040595	0.001761	3.69E-06		1	1	0.95764		1	0	0	0									
39	4676		0.955446	0.042647	0.001903	4.02E-06		1	1	0.955446		1	0	0	0									
40	4677		0.947683	0.050082	0.002228	6.1E-06		1	1	0.947683		1	0	0	0									
41	4678		0.949269	0.04863	0.002095	5.58E-06		1	1	0.949269		1	0	0	0									
42	4679		0.955531	0.042752	0.001713	4.18E-06		1	1	0.955531		1	0	0	0									

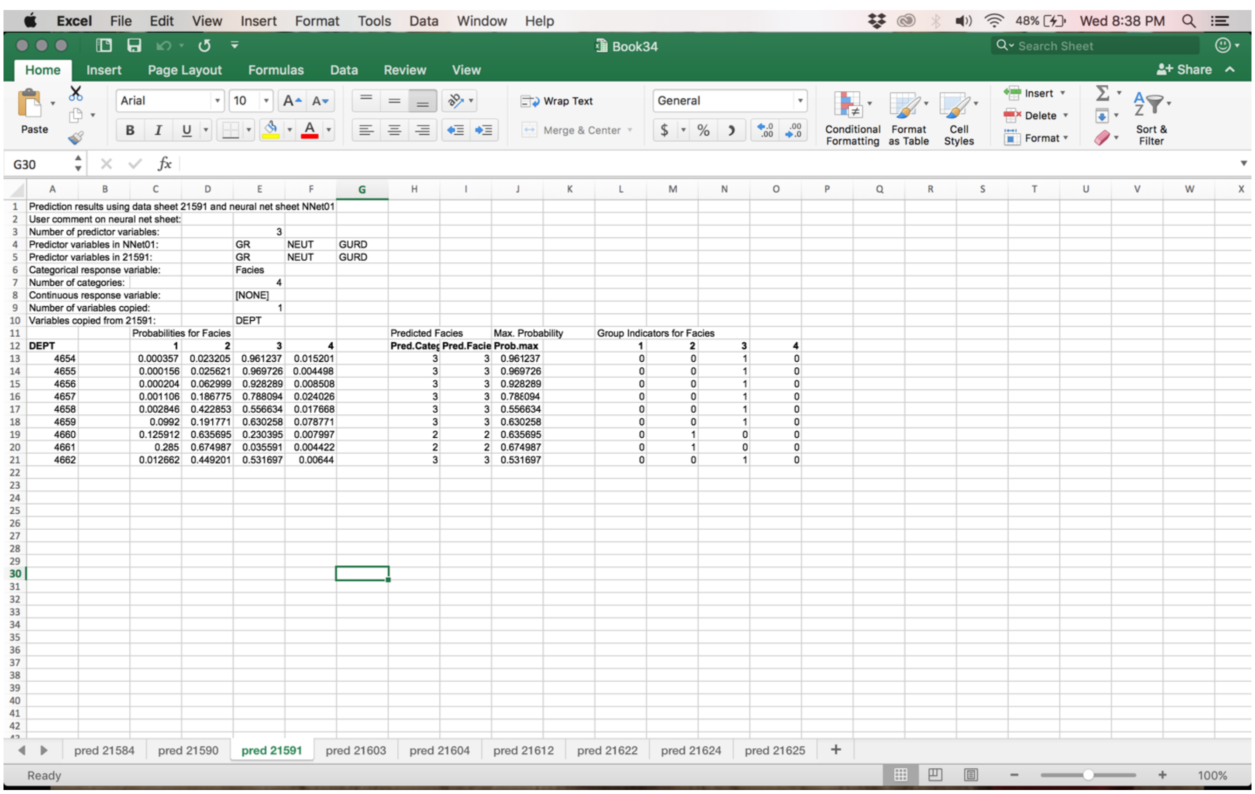
21590



Prediction results using data sheet Sheet135 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in Sheet135: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from Sheet135: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4642	0.001069	0.175884	0.25983	0.563217	4	4	0.563217	0	0	0	1
4643	0.02297	0.696113	0.213207	0.067709	2	2	0.696113	0	1	0	0
4644	0.135735	0.739738	0.114364	0.010163	2	2	0.739738	0	1	0	0
4645	0.355556	0.498343	0.134284	0.011818	2	2	0.498343	0	1	0	0
4646	0.132284	0.03527	0.83006	0.002385	3	3	0.83006	0	0	1	0
4647	0.476238	0.006105	0.504539	0.013118	3	3	0.504539	0	0	1	0
4648	0.743171	0.086037	0.163175	0.007617	1	1	0.743171	1	0	0	0
4649	0.605895	0.307981	0.084014	0.002109	1	1	0.605895	1	0	0	0
4650	0.561201	0.368192	0.06932	0.001286	1	1	0.561201	1	0	0	0
4651	0.559728	0.374749	0.064606	0.000917	1	1	0.559728	1	0	0	0
4652	0.60133	0.324841	0.073121	0.000707	1	1	0.60133	1	0	0	0
4653	0.504436	0.419338	0.075136	0.00109	1	1	0.504436	1	0	0	0
4654	0.932728	0.032168	0.035071	3.27E-05	1	1	0.932728	1	0	0	0
4655	0.954536	0.014909	0.030544	1.01E-05	1	1	0.954536	1	0	0	0
4656	0.751639	0.086741	0.161425	0.000194	1	1	0.751639	1	0	0	0
4657	0.304701	0.314933	0.378345	0.002021	3	3	0.378345	0	0	1	0
4658	0.686411	0.187998	0.125222	0.000369	1	1	0.686411	1	0	0	0
4659	0.819422	0.120224	0.060172	0.000182	1	1	0.819422	1	0	0	0
4660	0.50102	0.398958	0.098434	0.001587	1	1	0.50102	1	0	0	0
4661	0.88361	0.059516	0.056796	7.79E-05	1	1	0.88361	1	0	0	0
4662	0.899578	0.048497	0.051866	5.95E-05	1	1	0.899578	1	0	0	0
4663	0.921816	0.036262	0.041881	4.1E-05	1	1	0.921816	1	0	0	0
4664	0.914503	0.042834	0.042613	4.95E-05	1	1	0.914503	1	0	0	0
4665	0.297257	0.587404	0.110009	0.005331	2	2	0.587404	0	1	0	0
4666	0.381716	0.50422	0.112361	0.001702	2	2	0.50422	0	1	0	0
4667	0.814015	0.119552	0.06624	0.000193	1	1	0.814015	1	0	0	0
4668	0.864931	0.084948	0.050001	0.00012	1	1	0.864931	1	0	0	0
4669	0.545573	0.36396	0.089593	0.000875	1	1	0.545573	1	0	0	0
4670	0.667944	0.243679	0.087866	0.000511	1	1	0.667944	1	0	0	0
4671	0.596723	0.316459	0.086123	0.000696	1	1	0.596723	1	0	0	0

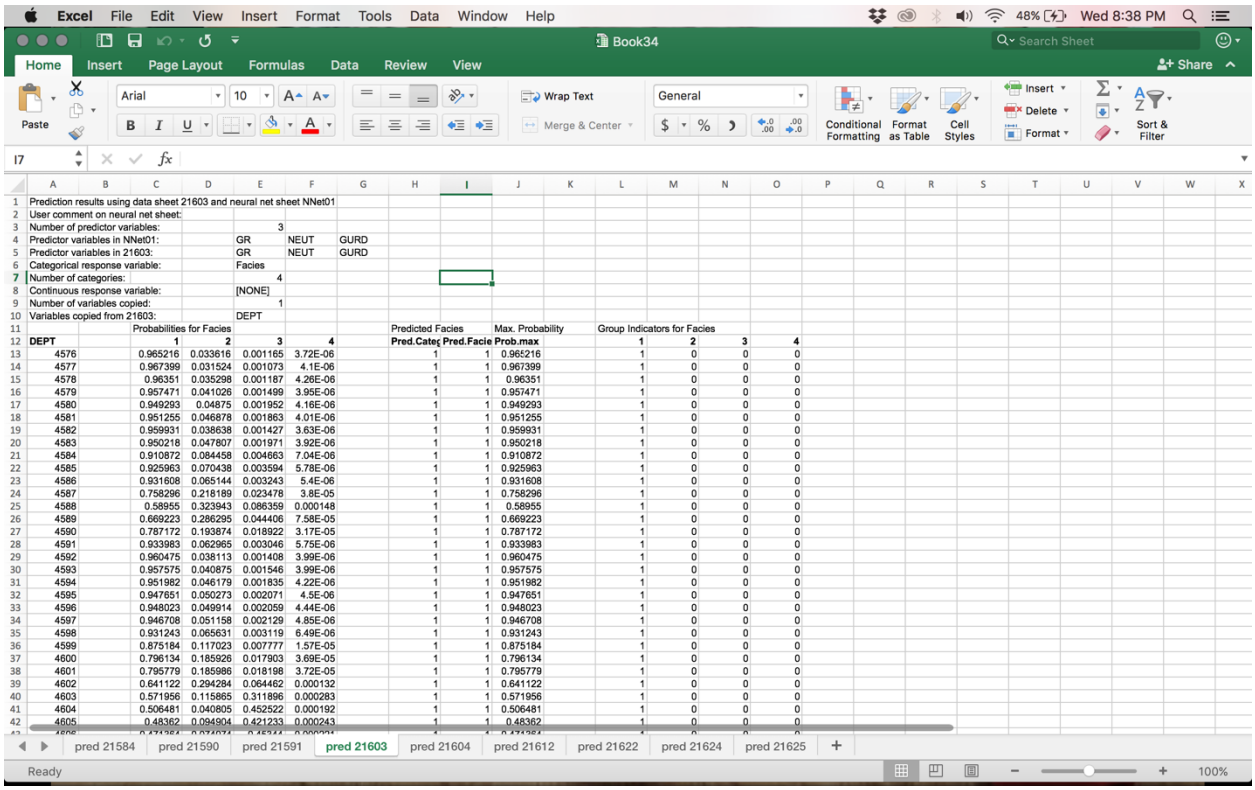
21591



Prediction results using data sheet 21591 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21591: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21591: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4654	0.000357	0.023205	0.961237	0.015201	3	3	0.961237	0	0	1	0
4655	0.000156	0.025621	0.969726	0.004498	3	3	0.969726	0	0	1	0
4656	0.000204	0.062999	0.928289	0.008508	3	3	0.928289	0	0	1	0
4657	0.001106	0.186775	0.788094	0.024026	3	3	0.788094	0	0	1	0
4658	0.002846	0.422853	0.556634	0.017668	3	3	0.556634	0	0	1	0
4659	0.0992	0.191771	0.630258	0.078771	3	3	0.630258	0	0	1	0
4660	0.125912	0.635695	0.230395	0.007997	2	2	0.635695	0	1	0	0
4661	0.285	0.674987	0.035591	0.004422	2	2	0.674987	0	1	0	0
4662	0.012662	0.449201	0.531697	0.00644	3	3	0.531697	0	0	1	0

21603



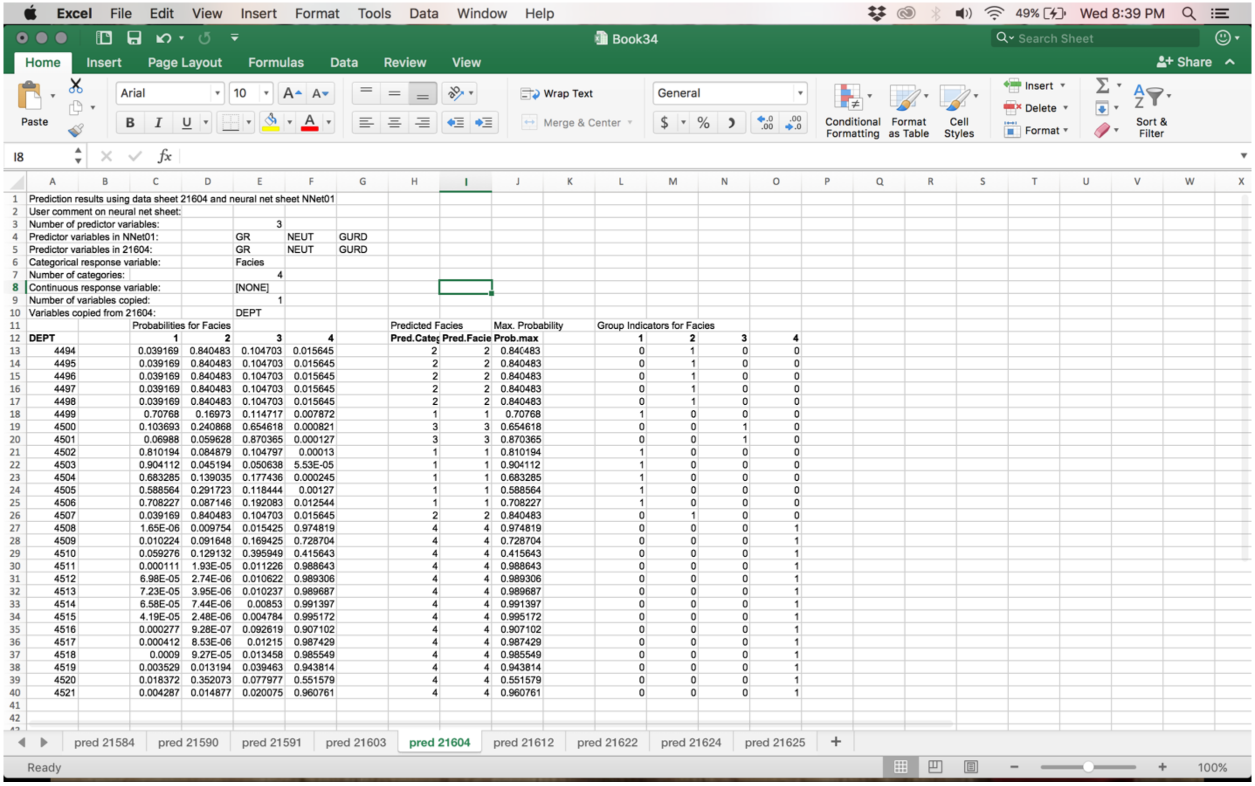
Prediction results using data sheet 21603 and neural net sheet NNet01

User comment on neural net sheet:

Number of predictor variables:	3
Predictor variables in NNet01:	GR, NEUT, GURD
Predictor variables in 21603:	GR, NEUT, GURD
Categorical response variable:	Facies
Number of categories:	4
Continuous response variable:	[NONE]
Number of variables copied:	1
Variables copied from 21603:	DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4576	0.965216	0.033616	0.001165	3.72E-06	1	1	0.965216	1	0	0	0
4577	0.967399	0.031524	0.001073	4.1E-06	1	1	0.967399	1	0	0	0
4578	0.96351	0.035298	0.001187	4.26E-06	1	1	0.96351	1	0	0	0
4579	0.957471	0.041026	0.001499	3.95E-06	1	1	0.957471	1	0	0	0
4580	0.949293	0.04875	0.001952	4.16E-06	1	1	0.949293	1	0	0	0
4581	0.951255	0.046878	0.001863	4.01E-06	1	1	0.951255	1	0	0	0
4582	0.959931	0.038638	0.001427	3.63E-06	1	1	0.959931	1	0	0	0
4583	0.950218	0.047807	0.001971	3.92E-06	1	1	0.950218	1	0	0	0
4584	0.910872	0.084458	0.004663	7.04E-06	1	1	0.910872	1	0	0	0
4585	0.925963	0.070438	0.003594	5.78E-06	1	1	0.925963	1	0	0	0
4586	0.931608	0.065144	0.003243	5.4E-06	1	1	0.931608	1	0	0	0
4587	0.758296	0.218189	0.023478	3.8E-05	1	1	0.758296	1	0	0	0
4588	0.58955	0.323943	0.086359	0.000148	1	1	0.58955	1	0	0	0
4589	0.669223	0.286295	0.044406	7.58E-05	1	1	0.669223	1	0	0	0
4590	0.787172	0.193874	0.018922	3.17E-05	1	1	0.787172	1	0	0	0
4591	0.933983	0.062965	0.003046	5.75E-06	1	1	0.933983	1	0	0	0
4592	0.960475	0.038113	0.001408	3.99E-06	1	1	0.960475	1	0	0	0
4593	0.957575	0.040875	0.001546	3.99E-06	1	1	0.957575	1	0	0	0
4594	0.951982	0.046179	0.001835	4.22E-06	1	1	0.951982	1	0	0	0
4595	0.947651	0.050273	0.002071	4.5E-06	1	1	0.947651	1	0	0	0
4596	0.948023	0.049914	0.002059	4.44E-06	1	1	0.948023	1	0	0	0
4597	0.946708	0.051158	0.002129	4.85E-06	1	1	0.946708	1	0	0	0
4598	0.931243	0.065631	0.003119	6.49E-06	1	1	0.931243	1	0	0	0
4599	0.875184	0.117023	0.007777	1.57E-05	1	1	0.875184	1	0	0	0
4600	0.796134	0.185926	0.017903	3.69E-05	1	1	0.796134	1	0	0	0
4601	0.795779	0.185986	0.018198	3.72E-05	1	1	0.795779	1	0	0	0
4602	0.641122	0.294284	0.064462	0.000132	1	1	0.641122	1	0	0	0
4603	0.571956	0.115865	0.311896	0.000283	1	1	0.571956	1	0	0	0
4604	0.506481	0.040805	0.452522	0.000192	1	1	0.506481	1	0	0	0
4605	0.48362	0.094904	0.421233	0.000243	1	1	0.48362	1	0	0	0

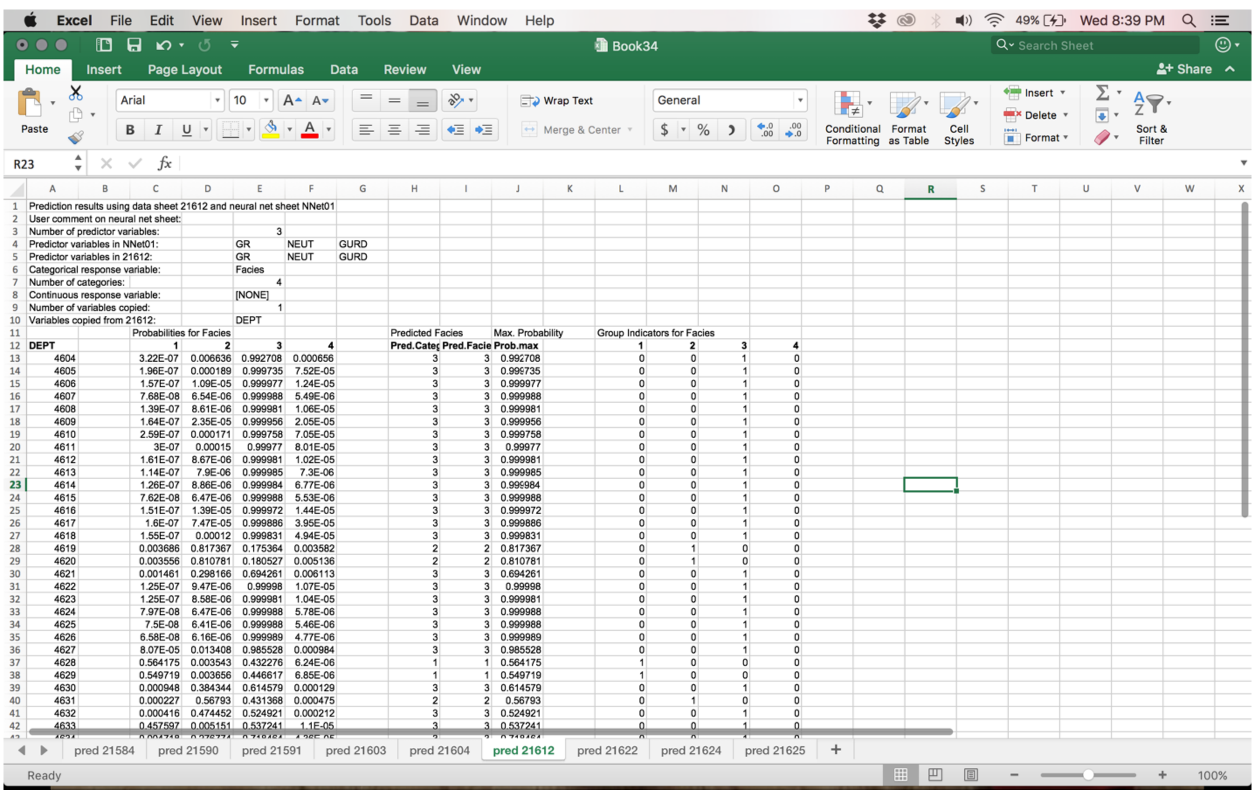
21604



Prediction results using data sheet 21604 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21604: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21604: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4494	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4495	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4496	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4497	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4498	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4499	0.70768	0.16973	0.114717	0.007872	1	1	0.70768	1	0	0	0
4500	0.103693	0.240868	0.654618	0.000821	3	3	0.654618	0	0	1	0
4501	0.06988	0.059628	0.870365	0.000127	3	3	0.870365	0	0	1	0
4502	0.810194	0.084879	0.104797	0.00013	1	1	0.810194	1	0	0	0
4503	0.904112	0.045194	0.050638	5.53E-05	1	1	0.904112	1	0	0	0
4504	0.683285	0.139035	0.177436	0.000245	1	1	0.683285	1	0	0	0
4505	0.588564	0.291723	0.118444	0.00127	1	1	0.588564	1	0	0	0
4506	0.708227	0.087146	0.192083	0.012544	1	1	0.708227	1	0	0	0
4507	0.039169	0.840483	0.104703	0.015645	2	2	0.840483	0	1	0	0
4508	1.65E-06	0.009754	0.015425	0.974819	4	4	0.974819	0	0	0	1
4509	0.010224	0.091648	0.169425	0.728704	4	4	0.728704	0	0	0	1
4510	0.059276	0.129132	0.395949	0.415643	4	4	0.415643	0	0	0	1
4511	0.000111	1.93E-05	0.011226	0.988643	4	4	0.988643	0	0	0	1
4512	6.98E-05	2.74E-06	0.010622	0.989306	4	4	0.989306	0	0	0	1
4513	7.23E-05	3.95E-06	0.010237	0.989687	4	4	0.989687	0	0	0	1
4514	6.58E-05	7.44E-06	0.00853	0.991397	4	4	0.991397	0	0	0	1
4515	4.19E-05	2.48E-06	0.004784	0.995172	4	4	0.995172	0	0	0	1
4516	0.000277	9.28E-07	0.092619	0.907102	4	4	0.907102	0	0	0	1
4517	0.000412	8.53E-06	0.01215	0.987429	4	4	0.987429	0	0	0	1
4518	0.0009	9.27E-05	0.013458	0.985549	4	4	0.985549	0	0	0	1
4519	0.003529	0.013194	0.039463	0.943814	4	4	0.943814	0	0	0	1
4520	0.018372	0.352073	0.077977	0.551579	4	4	0.551579	0	0	0	1
4521	0.004287	0.014877	0.020075	0.960761	4	4	0.960761	0	0	0	1

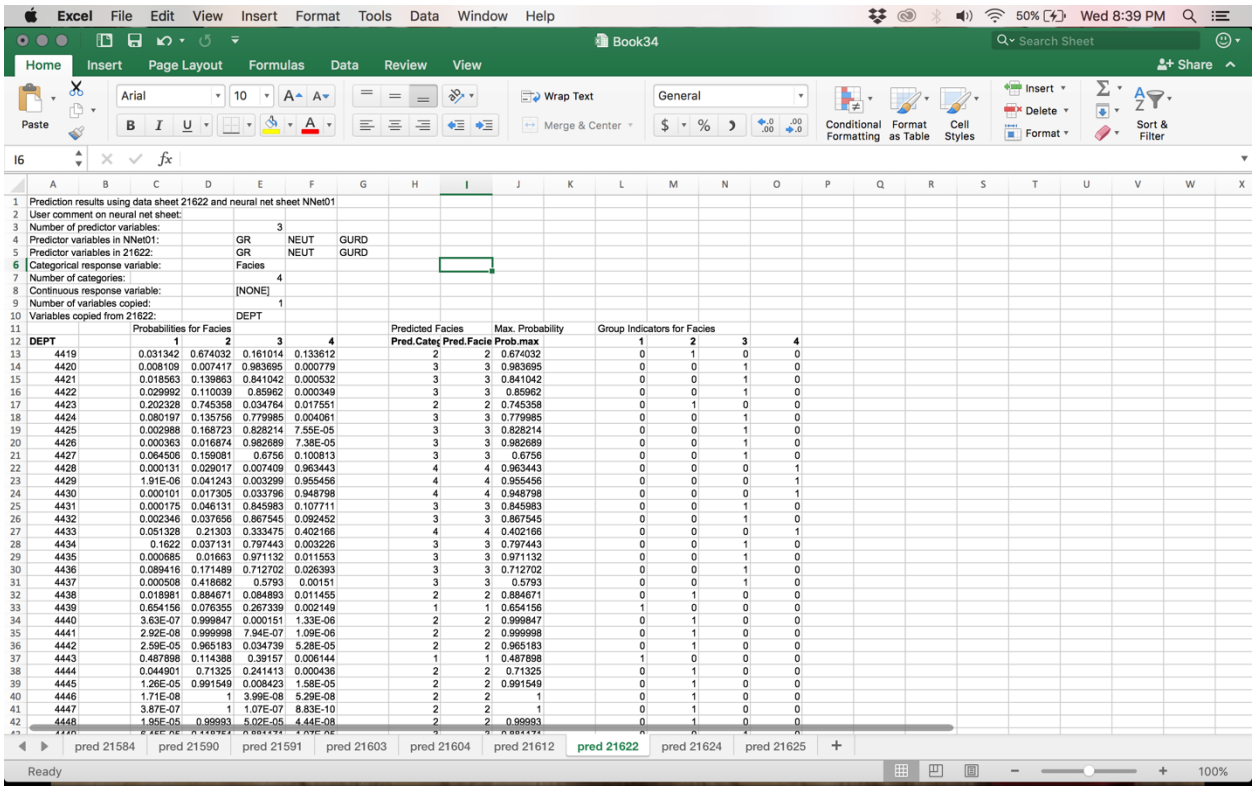
21612



Prediction results using data sheet 21612 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21612: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21612: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4604	3.22E-07	0.006636	0.992708	0.000656	3	3	0.992708	0	0	1	0
4605	1.96E-07	0.000189	0.999735	7.52E-05	3	3	0.999735	0	0	1	0
4606	1.57E-07	1.09E-05	0.999977	1.24E-05	3	3	0.999977	0	0	1	0
4607	7.68E-08	6.54E-06	0.999988	5.49E-06	3	3	0.999988	0	0	1	0
4608	1.39E-07	8.61E-06	0.999981	1.06E-05	3	3	0.999981	0	0	1	0
4609	1.64E-07	2.35E-05	0.999956	2.05E-05	3	3	0.999956	0	0	1	0
4610	2.59E-07	0.000171	0.999758	7.05E-05	3	3	0.999758	0	0	1	0
4611	3E-07	0.00015	0.99977	8.01E-05	3	3	0.99977	0	0	1	0
4612	1.61E-07	8.67E-06	0.999981	1.02E-05	3	3	0.999981	0	0	1	0
4613	1.14E-07	7.9E-06	0.999985	7.3E-06	3	3	0.999985	0	0	1	0
4614	1.26E-07	8.86E-06	0.999984	6.77E-06	3	3	0.999984	0	0	1	0
4615	7.62E-08	6.47E-06	0.999988	5.53E-06	3	3	0.999988	0	0	1	0
4616	1.51E-07	1.39E-05	0.999972	1.44E-05	3	3	0.999972	0	0	1	0
4617	1.6E-07	7.47E-05	0.999886	3.95E-05	3	3	0.999886	0	0	1	0
4618	1.55E-07	0.00012	0.999831	4.94E-05	3	3	0.999831	0	0	1	0
4619	0.003686	0.817367	0.175364	0.003582	2	2	0.817367	0	1	0	0
4620	0.003556	0.810781	0.180527	0.005136	2	2	0.810781	0	1	0	0
4621	0.001461	0.298166	0.694261	0.006113	3	3	0.694261	0	0	1	0
4622	1.25E-07	9.47E-06	0.99998	1.07E-05	3	3	0.99998	0	0	1	0
4623	1.25E-07	8.58E-06	0.999981	1.04E-05	3	3	0.999981	0	0	1	0
4624	7.97E-08	6.47E-06	0.999988	5.78E-06	3	3	0.999988	0	0	1	0
4625	7.5E-08	6.41E-06	0.999988	5.46E-06	3	3	0.999988	0	0	1	0
4626	6.58E-08	6.16E-06	0.999989	4.77E-06	3	3	0.999989	0	0	1	0
4627	8.07E-05	0.013408	0.985528	0.000984	3	3	0.985528	0	0	1	0
4628	0.564175	0.003543	0.432276	6.24E-06	1	1	0.564175	1	0	0	0
4629	0.549719	0.003656	0.446617	6.85E-06	1	1	0.549719	1	0	0	0
4630	0.000948	0.384344	0.614579	0.000129	3	3	0.614579	0	0	1	0
4631	0.000227	0.56793	0.431368	0.000475	2	2	0.56793	0	1	0	0
4632	0.000416	0.474452	0.524921	0.000212	3	3	0.524921	0	0	1	0
4633	0.457597	0.005151	0.537241	1.1E-05	3	3	0.537241	0	0	1	0

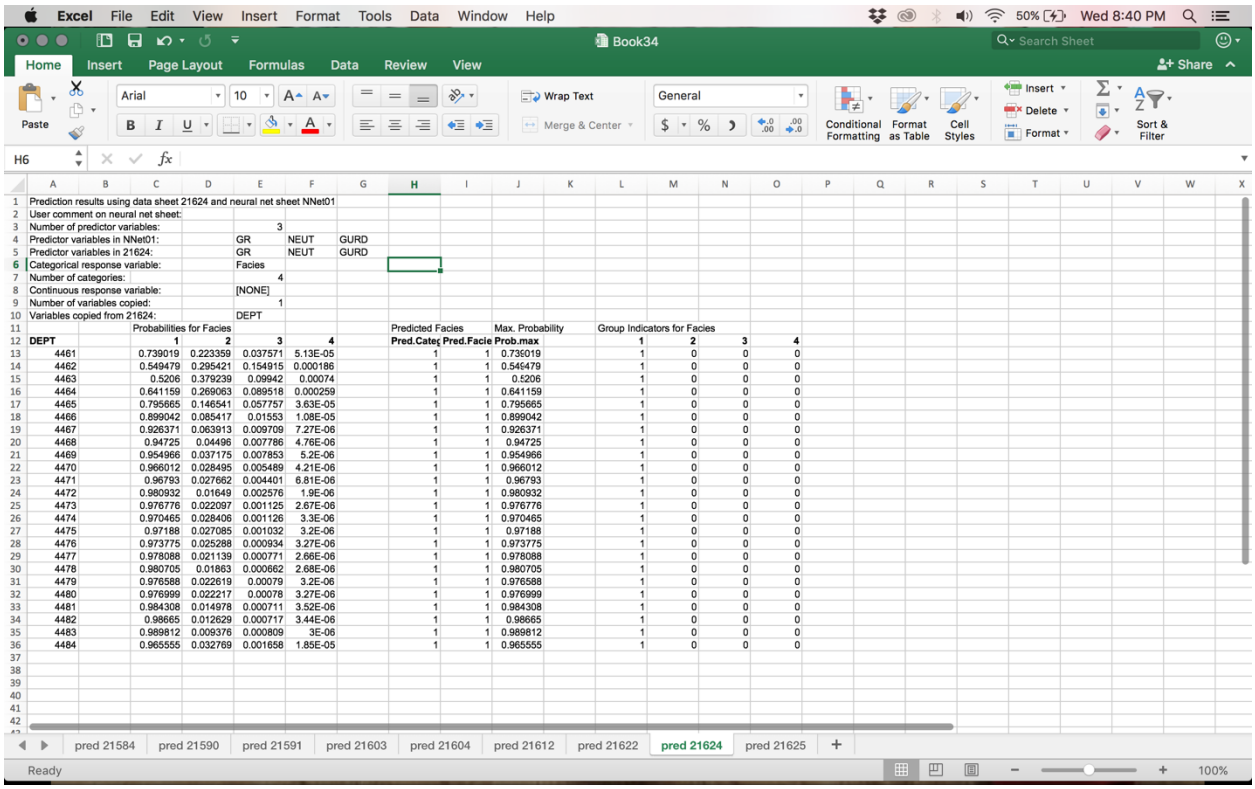
21622



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21622 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21622:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21622:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4419		0.031342	0.674032	0.161014	0.133612		2	2	0.674032		0	1	0	0									
14	4420		0.008109	0.007417	0.983695	0.000779		3	3	0.983695		0	0	1	0									
15	4421		0.018563	0.139863	0.841042	0.000532		3	3	0.841042		0	0	1	0									
16	4422		0.029992	0.110039	0.85962	0.000349		3	3	0.85962		0	0	1	0									
17	4423		0.202328	0.745358	0.034764	0.017551		2	2	0.745358		0	1	0	0									
18	4424		0.080197	0.135756	0.779985	0.004061		3	3	0.779985		0	0	1	0									
19	4425		0.002988	0.168723	0.828214	7.55E-05		3	3	0.828214		0	0	1	0									
20	4426		0.000363	0.016874	0.982689	7.38E-05		3	3	0.982689		0	0	1	0									
21	4427		0.064506	0.159081	0.6756	0.100813		3	3	0.6756		0	0	1	0									
22	4428		0.000131	0.029017	0.007409	0.963443		4	4	0.963443		0	0	0	1									
23	4429		1.91E-06	0.041243	0.003299	0.955456		4	4	0.955456		0	0	0	1									
24	4430		0.000101	0.017305	0.033796	0.948798		4	4	0.948798		0	0	0	1									
25	4431		0.000175	0.046131	0.845983	0.107711		3	3	0.845983		0	0	1	0									
26	4432		0.002346	0.037656	0.867545	0.092452		3	3	0.867545		0	0	1	0									
27	4433		0.051328	0.21303	0.333475	0.402166		4	4	0.402166		0	0	0	1									
28	4434		0.1622	0.037131	0.797443	0.003226		3	3	0.797443		0	0	1	0									
29	4435		0.000685	0.01663	0.971132	0.011553		3	3	0.971132		0	0	1	0									
30	4436		0.089416	0.171489	0.712702	0.026393		3	3	0.712702		0	0	1	0									
31	4437		0.000508	0.418682	0.5793	0.00151		3	3	0.5793		0	0	1	0									
32	4438		0.018981	0.884671	0.084893	0.011455		2	2	0.884671		0	1	0	0									
33	4439		0.654156	0.076355	0.267339	0.002149		1	1	0.654156		1	0	0	0									
34	4440		3.63E-07	0.999847	0.000151	1.33E-06		2	2	0.999847		0	1	0	0									
35	4441		2.92E-08	0.999998	7.94E-07	1.09E-06		2	2	0.999998		0	1	0	0									
36	4442		2.59E-05	0.965183	0.034739	5.28E-05		2	2	0.965183		0	1	0	0									
37	4443		0.487898	0.114388	0.39157	0.006144		1	1	0.487898		1	0	0	0									
38	4444		0.044901	0.71325	0.241413	0.000436		2	2	0.71325		0	1	0	0									
39	4445		1.26E-05	0.991549	0.008423	1.58E-05		2	2	0.991549		0	1	0	0									
40	4446		1.71E-08	1	3.99E-08	5.29E-08		2	2	1		0	1	0	0									
41	4447		3.87E-07	1	1.07E-07	8.83E-10		2	2	1		0	1	0	0									
42	4448		1.95E-05	0.99993	5.02E-05	4.44E-08		2	2	0.99993		0	1	0	0									

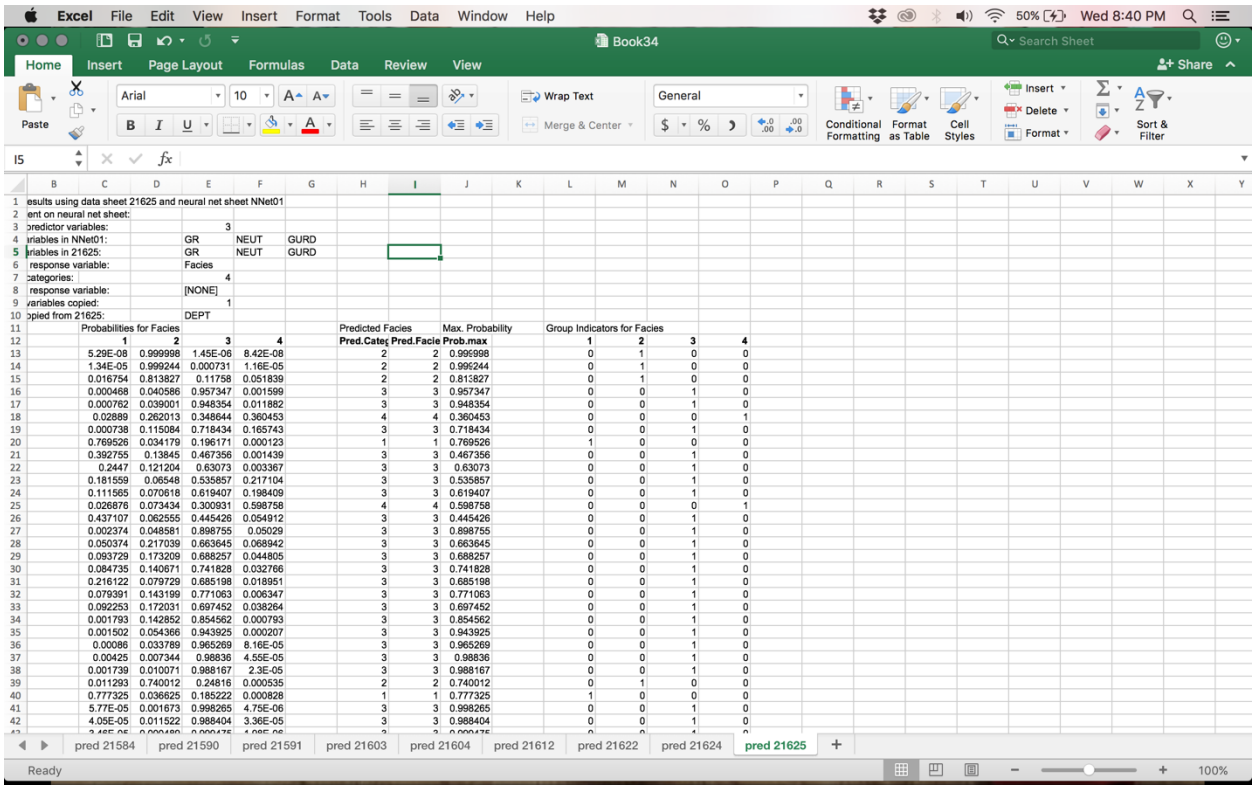
pred 21584 | pred 21590 | pred 21591 | pred 21603 | pred 21604 | pred 21612 | pred 21622 | pred 21624 | pred 21625

21624



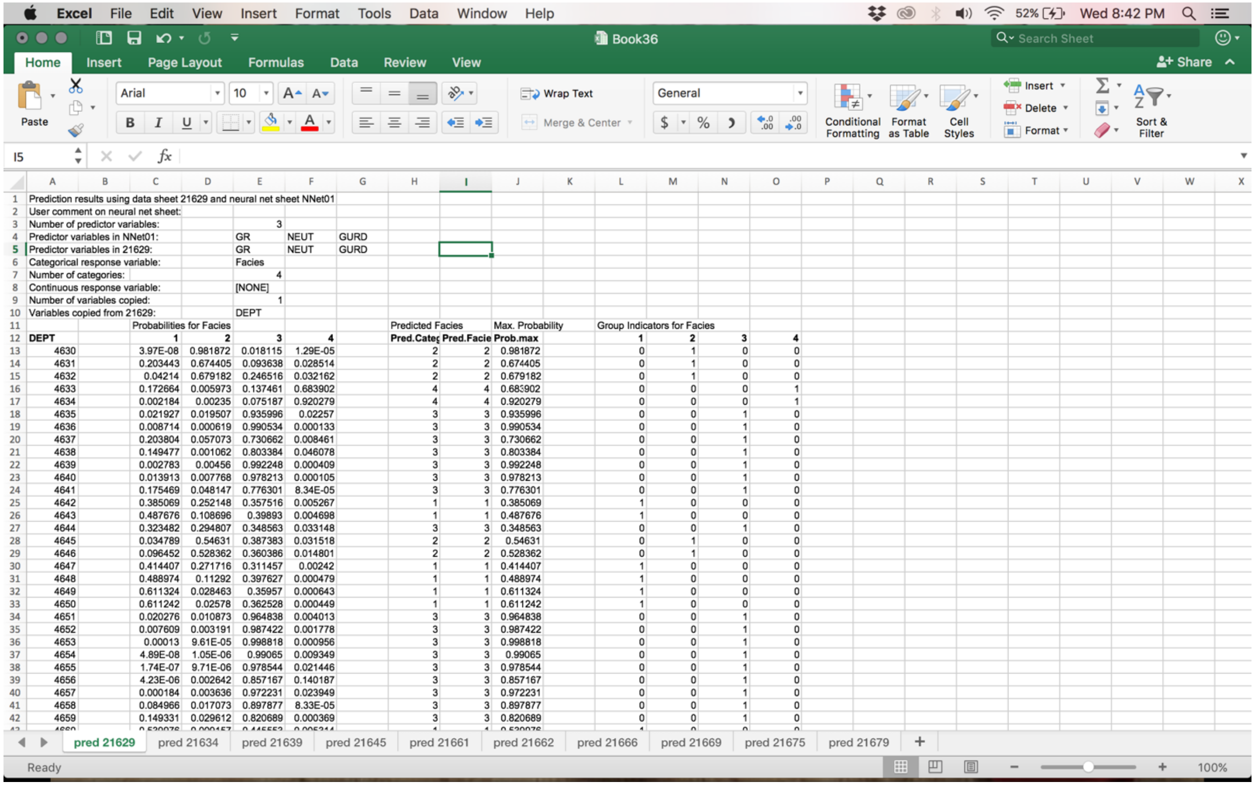
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21624 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21624:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21624:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	**DEPT**		**1**	**2**	**3**	**4**		**Pred.Cate**	**Pred.Facie**	**Prob.max**		**1**	**2**	**3**	**4**									
13	4461		0.739019	0.223359	0.037571	5.13E-05		1	1	0.739019		1	0	0	0									
14	4462		0.549479	0.295421	0.154915	0.000186		1	1	0.549479		1	0	0	0									
15	4463		0.5206	0.379239	0.09942	0.00074		1	1	0.5206		1	0	0	0									
16	4464		0.641159	0.269063	0.089518	0.000259		1	1	0.641159		1	0	0	0									
17	4465		0.795665	0.146541	0.057757	3.63E-05		1	1	0.795665		1	0	0	0									
18	4466		0.899042	0.085417	0.01553	1.08E-05		1	1	0.899042		1	0	0	0									
19	4467		0.926371	0.063913	0.009709	7.27E-06		1	1	0.926371		1	0	0	0									
20	4468		0.94725	0.04496	0.007786	4.76E-06		1	1	0.94725		1	0	0	0									
21	4469		0.954966	0.037175	0.007853	5.2E-06		1	1	0.954966		1	0	0	0									
22	4470		0.966012	0.028495	0.005489	4.21E-06		1	1	0.966012		1	0	0	0									
23	4471		0.96793	0.027662	0.004401	6.81E-06		1	1	0.96793		1	0	0	0									
24	4472		0.980932	0.01649	0.002576	1.9E-06		1	1	0.980932		1	0	0	0									
25	4473		0.976776	0.022097	0.001125	2.67E-06		1	1	0.976776		1	0	0	0									
26	4474		0.970465	0.028406	0.001126	3.3E-06		1	1	0.970465		1	0	0	0									
27	4475		0.97188	0.027085	0.001032	3.2E-06		1	1	0.97188		1	0	0	0									
28	4476		0.973775	0.025288	0.000934	3.27E-06		1	1	0.973775		1	0	0	0									
29	4477		0.978088	0.021139	0.000771	2.66E-06		1	1	0.978088		1	0	0	0									
30	4478		0.980705	0.01863	0.000662	2.68E-06		1	1	0.980705		1	0	0	0									
31	4479		0.976588	0.022619	0.00079	3.2E-06		1	1	0.976588		1	0	0	0									
32	4480		0.976999	0.022217	0.00078	3.27E-06		1	1	0.976999		1	0	0	0									
33	4481		0.984308	0.014978	0.000711	3.52E-06		1	1	0.984308		1	0	0	0									
34	4482		0.98665	0.012629	0.000717	3.44E-06		1	1	0.98665		1	0	0	0									
35	4483		0.989812	0.009376	0.000809	3E-06		1	1	0.989812		1	0	0	0									
36	4484		0.965555	0.032769	0.001658	1.85E-05		1	1	0.965555		1	0	0	0									
37																								
38																								
39																								
40																								
41																								
42																								

21625



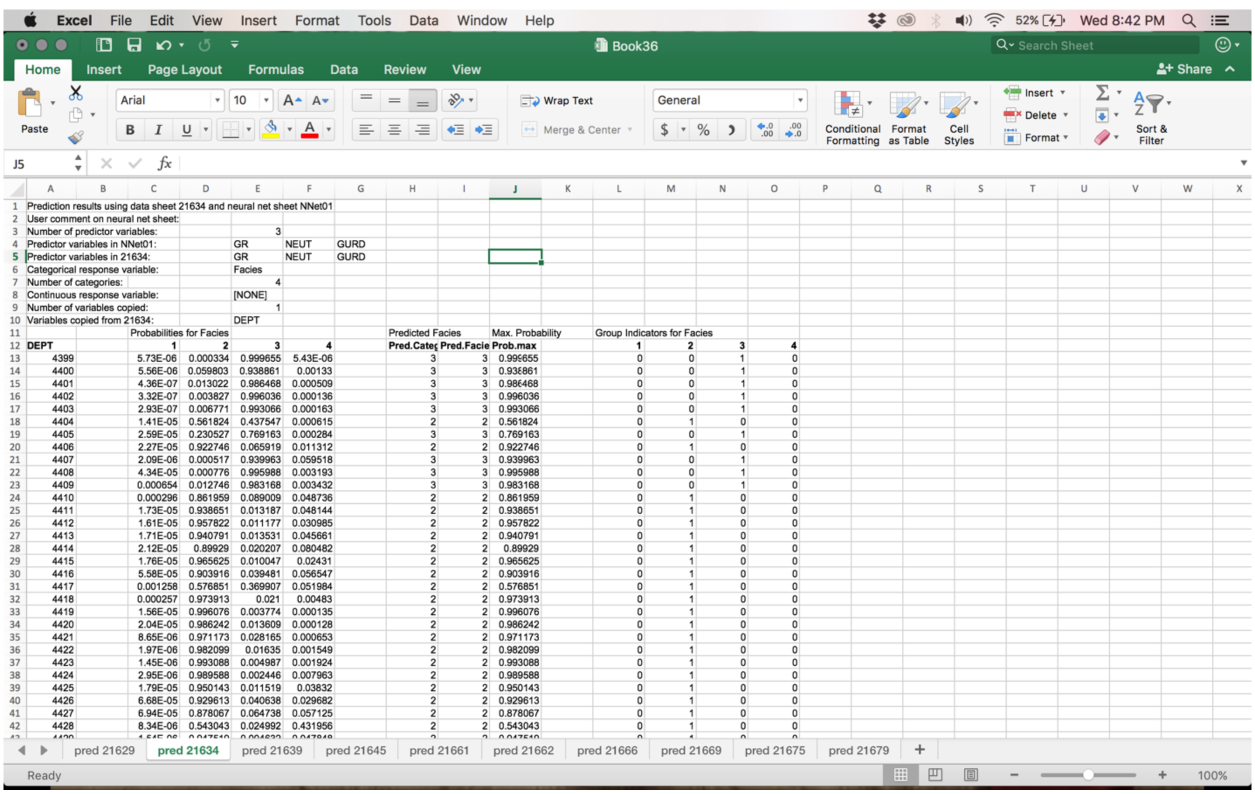
Book 36

21629



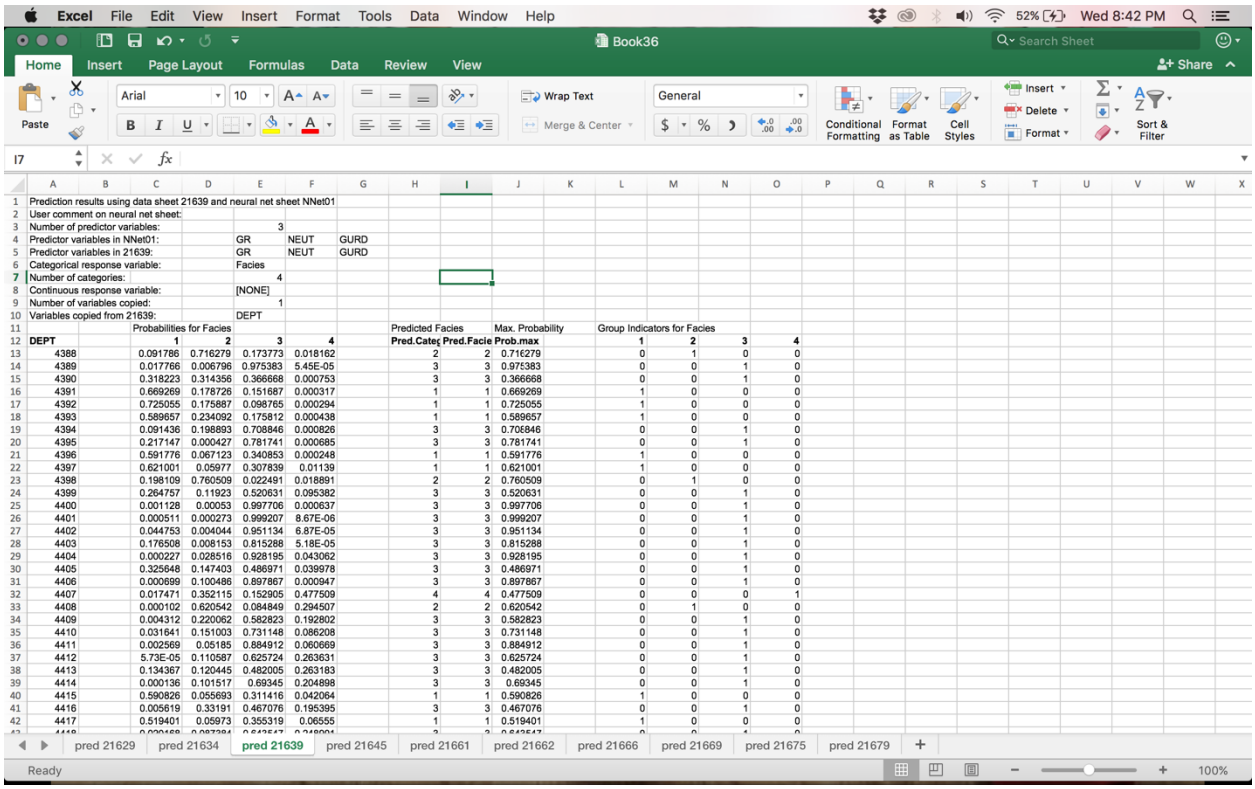
Row	A	C	D	E	F	G	H	I	J	L	M	N	O
1	Prediction results using data sheet 21629 and neural net sheet NNet01												
2	User comment on neural net sheet:												
3	Number of predictor variables:			3									
4	Predictor variables in NNet01:			GR	NEUT	GURD							
5	Predictor variables in 21629:			GR	NEUT	GURD							
6	Categorical response variable:			Facies									
7	Number of categories:			4									
8	Continuous response variable:			[NONE]									
9	Number of variables copied:			1									
10	Variables copied from 21629:			DEPT									
11		Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies			
12	DEPT	1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
13	4630	3.97E-08	0.981872	0.018115	1.29E-05		2	2	0.981872	0	1	0	0
14	4631	0.203443	0.674405	0.093638	0.028514		2	2	0.674405	0	1	0	0
15	4632	0.04214	0.679182	0.246516	0.032162		2	2	0.679182	0	1	0	0
16	4633	0.172664	0.005973	0.137461	0.683902		4	4	0.683902	0	0	0	1
17	4634	0.002184	0.00235	0.075187	0.920279		4	4	0.920279	0	0	0	1
18	4635	0.021927	0.019507	0.935996	0.02257		3	3	0.935996	0	0	1	0
19	4636	0.008714	0.000619	0.990534	0.000133		3	3	0.990534	0	0	1	0
20	4637	0.203804	0.057073	0.730662	0.008461		3	3	0.730662	0	0	1	0
21	4638	0.149477	0.001062	0.803384	0.046078		3	3	0.803384	0	0	1	0
22	4639	0.002783	0.00456	0.992248	0.000409		3	3	0.992248	0	0	1	0
23	4640	0.013913	0.007768	0.978213	0.000105		3	3	0.978213	0	0	1	0
24	4641	0.175469	0.048147	0.776301	8.34E-05		3	3	0.776301	0	0	1	0
25	4642	0.385069	0.252148	0.357516	0.005267		1	1	0.385069	1	0	0	0
26	4643	0.487676	0.108696	0.39893	0.004698		1	1	0.487676	1	0	0	0
27	4644	0.323482	0.294807	0.348563	0.033148		3	3	0.348563	0	0	1	0
28	4645	0.034789	0.54631	0.387383	0.031518		2	2	0.54631	0	1	0	0
29	4646	0.096452	0.528362	0.360386	0.014801		2	2	0.528362	0	1	0	0
30	4647	0.414407	0.271716	0.311457	0.00242		1	1	0.414407	1	0	0	0
31	4648	0.488974	0.11292	0.397627	0.000479		1	1	0.488974	1	0	0	0
32	4649	0.611324	0.028463	0.35957	0.000643		1	1	0.611324	1	0	0	0
33	4650	0.611242	0.02578	0.362528	0.000449		1	1	0.611242	1	0	0	0
34	4651	0.020276	0.010873	0.964838	0.004013		3	3	0.964838	0	0	1	0
35	4652	0.007609	0.003191	0.987422	0.001778		3	3	0.987422	0	0	1	0
36	4653	0.00013	9.61E-05	0.998818	0.000956		3	3	0.998818	0	0	1	0
37	4654	4.89E-08	1.05E-06	0.99065	0.009349		3	3	0.99065	0	0	1	0
38	4655	1.74E-07	9.71E-06	0.978544	0.021446		3	3	0.978544	0	0	1	0
39	4656	4.23E-06	0.002642	0.857167	0.140187		3	3	0.857167	0	0	1	0
40	4657	0.000184	0.003636	0.972231	0.023949		3	3	0.972231	0	0	1	0
41	4658	0.084966	0.017073	0.897877	8.33E-05		3	3	0.897877	0	0	1	0
42	4659	0.149331	0.029612	0.820689	0.000369		3	3	0.820689	0	0	1	0

21634



Row	A	C	D	E	F	G	H	I	J	L	M	N	O
1	Prediction results using data sheet 21634 and neural net sheet NNet01												
2	User comment on neural net sheet:												
3	Number of predictor variables:			3									
4	Predictor variables in NNet01:			GR	NEUT	GURD							
5	Predictor variables in 21634:			GR	NEUT	GURD							
6	Categorical response variable:			Facies									
7	Number of categories:			4									
8	Continuous response variable:			[NONE]									
9	Number of variables copied:			1									
10	Variables copied from 21634:			DEPT									
11		Probabilities for Facies					Predicted Facies		Max. Probability	Group Indicators for Facies			
12	DEPT	1	2	3	4		Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
13	4399	5.73E-06	0.000334	0.999655	5.43E-06		3	3	0.999655	0	0	1	0
14	4400	5.56E-06	0.059803	0.938861	0.00133		3	3	0.938861	0	0	1	0
15	4401	4.36E-07	0.013022	0.986468	0.000509		3	3	0.986468	0	0	1	0
16	4402	3.32E-07	0.003827	0.996036	0.000136		3	3	0.996036	0	0	1	0
17	4403	2.93E-07	0.006771	0.993066	0.000163		3	3	0.993066	0	0	1	0
18	4404	1.41E-05	0.561824	0.437547	0.000615		2	2	0.561824	0	1	0	0
19	4405	2.59E-05	0.230527	0.769163	0.000284		3	3	0.769163	0	0	1	0
20	4406	2.27E-05	0.922746	0.065919	0.011312		2	2	0.922746	0	1	0	0
21	4407	2.09E-06	0.000517	0.939963	0.059518		3	3	0.939963	0	0	1	0
22	4408	4.34E-05	0.000776	0.995988	0.003193		3	3	0.995988	0	0	1	0
23	4409	0.000654	0.012746	0.983168	0.003432		3	3	0.983168	0	0	1	0
24	4410	0.000296	0.861959	0.089009	0.048736		2	2	0.861959	0	1	0	0
25	4411	1.73E-05	0.938651	0.013187	0.048144		2	2	0.938651	0	1	0	0
26	4412	1.61E-05	0.957822	0.011177	0.030985		2	2	0.957822	0	1	0	0
27	4413	1.71E-05	0.940791	0.013531	0.045661		2	2	0.940791	0	1	0	0
28	4414	2.12E-05	0.89929	0.020207	0.080482		2	2	0.89929	0	1	0	0
29	4415	1.76E-05	0.965625	0.010047	0.02431		2	2	0.965625	0	1	0	0
30	4416	5.58E-05	0.903916	0.039481	0.056547		2	2	0.903916	0	1	0	0
31	4417	0.001258	0.576851	0.369907	0.051984		2	2	0.576851	0	1	0	0
32	4418	0.000257	0.973913	0.021	0.00483		2	2	0.973913	0	1	0	0
33	4419	1.56E-05	0.996076	0.003774	0.000135		2	2	0.996076	0	1	0	0
34	4420	2.04E-05	0.986242	0.013609	0.000128		2	2	0.986242	0	1	0	0
35	4421	8.65E-06	0.971173	0.028165	0.000653		2	2	0.971173	0	1	0	0
36	4422	1.97E-06	0.982099	0.01635	0.001549		2	2	0.982099	0	1	0	0
37	4423	1.45E-06	0.993088	0.004987	0.001924		2	2	0.993088	0	1	0	0
38	4424	2.95E-06	0.989588	0.002446	0.007963		2	2	0.989588	0	1	0	0
39	4425	1.79E-05	0.950143	0.011519	0.03832		2	2	0.950143	0	1	0	0
40	4426	6.68E-05	0.929613	0.040638	0.029682		2	2	0.929613	0	1	0	0
41	4427	6.94E-05	0.878067	0.064738	0.057125		2	2	0.878067	0	1	0	0
42	4428	8.34E-06	0.543043	0.024992	0.431956		2	2	0.543043	0	1	0	0

21639



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21639 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
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6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
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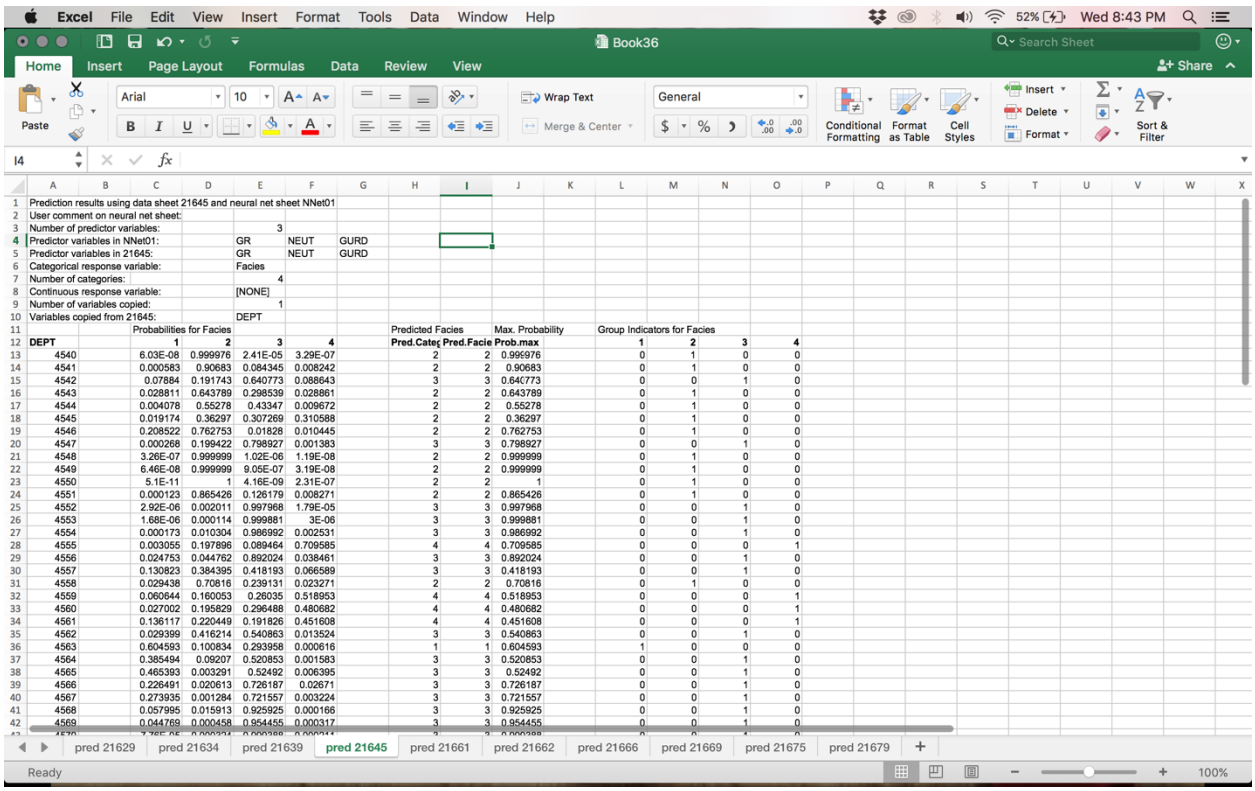
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4388		0.091786	0.716279	0.173773	0.018162		2	2	0.716279		0	1	0	0									
14	4389		0.017766	0.006796	0.975383	5.45E-05		3	3	0.975383		0	0	1	0									
15	4390		0.318223	0.314356	0.366668	0.000753		3	3	0.366668		0	0	1	0									
16	4391		0.669269	0.178726	0.151687	0.000317		1	1	0.669269		1	0	0	0									
17	4392		0.725055	0.175887	0.098765	0.000294		1	1	0.725055		1	0	0	0									
18	4393		0.589657	0.234092	0.175812	0.000438		1	1	0.589657		1	0	0	0									
19	4394		0.091436	0.198893	0.708846	0.000826		3	3	0.708846		0	0	1	0									
20	4395		0.217147	0.000427	0.781741	0.000685		3	3	0.781741		0	0	1	0									
21	4396		0.591776	0.067123	0.340853	0.000248		1	1	0.591776		1	0	0	0									
22	4397		0.621001	0.05977	0.307839	0.01139		1	1	0.621001		1	0	0	0									
23	4398		0.198109	0.760509	0.022491	0.018891		2	2	0.760509		0	1	0	0									
24	4399		0.264757	0.11923	0.520631	0.095382		3	3	0.520631		0	0	1	0									
25	4400		0.001128	0.00053	0.997706	0.000637		3	3	0.997706		0	0	1	0									
26	4401		0.000511	0.000273	0.999207	8.67E-06		3	3	0.999207		0	0	1	0									
27	4402		0.044753	0.004044	0.951134	6.87E-05		3	3	0.951134		0	0	1	0									
28	4403		0.176508	0.008153	0.815288	5.18E-05		3	3	0.815288		0	0	1	0									
29	4404		0.000227	0.028516	0.928195	0.043062		3	3	0.928195		0	0	1	0									
30	4405		0.325648	0.147403	0.486971	0.039978		3	3	0.486971		0	0	1	0									
31	4406		0.000699	0.100486	0.897867	0.000947		3	3	0.897867		0	0	1	0									
32	4407		0.017471	0.352115	0.152905	0.477509		4	4	0.477509		0	0	0	1									
33	4408		0.000102	0.620542	0.084849	0.294507		2	2	0.620542		0	1	0	0									
34	4409		0.004312	0.220062	0.582823	0.192802		3	3	0.582823		0	0	1	0									
35	4410		0.031641	0.151003	0.731148	0.086208		3	3	0.731148		0	0	1	0									
36	4411		0.002569	0.05185	0.884912	0.060669		3	3	0.884912		0	0	1	0									
37	4412		5.73E-05	0.110587	0.625724	0.263631		3	3	0.625724		0	0	1	0									
38	4413		0.134367	0.120445	0.482005	0.263183		3	3	0.482005		0	0	1	0									
39	4414		0.000136	0.101517	0.69345	0.204898		3	3	0.69345		0	0	1	0									
40	4415		0.590826	0.055693	0.311416	0.042064		1	1	0.590826		1	0	0	0									
41	4416		0.005619	0.33191	0.467076	0.195395		3	3	0.467076		0	0	1	0									
42	4417		0.519401	0.05973	0.355319	0.06555		1	1	0.519401		1	0	0	0									

pred 21629 | pred 21634 | **pred 21639** | pred 21645 | pred 21661 | pred 21662 | pred 21666 | pred 21669 | pred 21675 | pred 21679

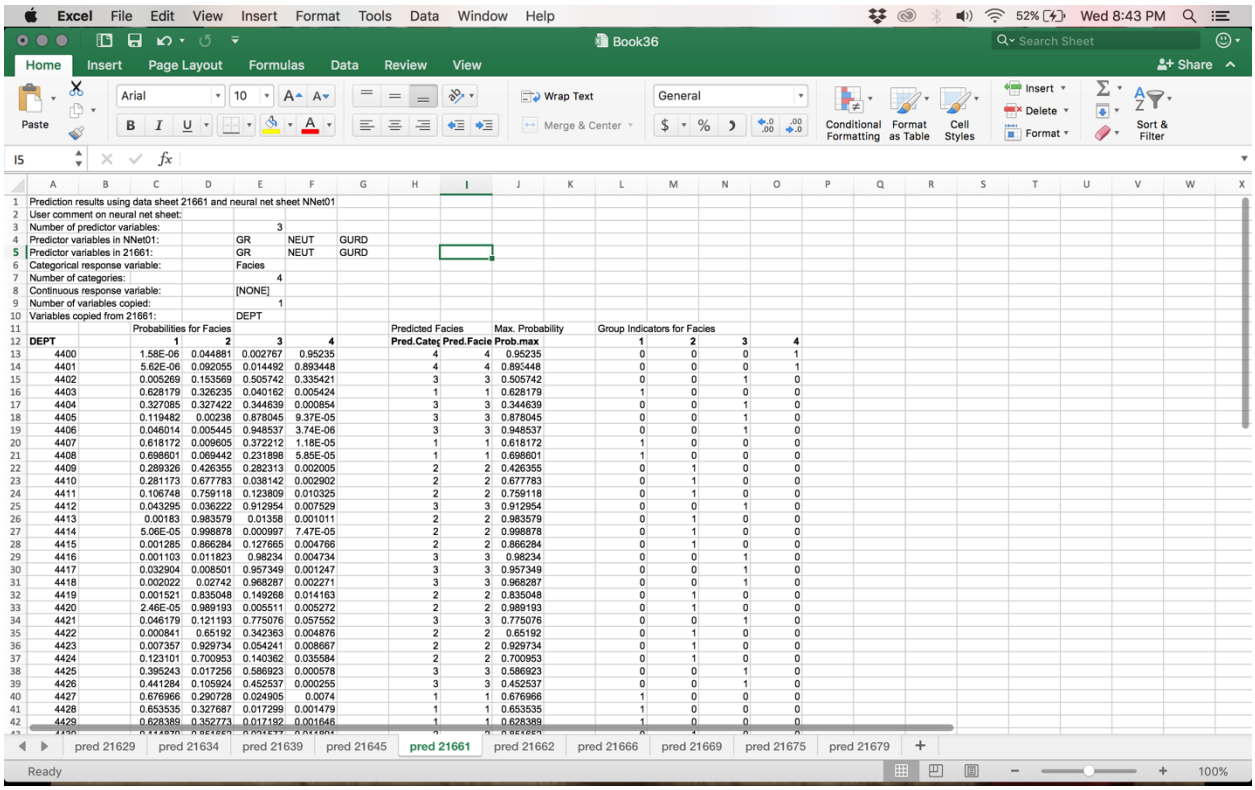
21645



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21645 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21645:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21645:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Categ	Pred.Facie	Prob.max		1	2	3	4									
13	4540		6.03E-08	0.999976	2.41E-05	3.29E-07		2	2	0.999976		0	1	0	0									
14	4541		0.000583	0.90683	0.084345	0.008242		2	2	0.90683		0	1	0	0									
15	4542		0.07884	0.191743	0.640773	0.088643		3	3	0.640773		0	0	1	0									
16	4543		0.028811	0.643789	0.298539	0.028861		2	2	0.643789		0	1	0	0									
17	4544		0.004078	0.55278	0.43347	0.009672		2	2	0.55278		0	1	0	0									
18	4545		0.019174	0.36297	0.307269	0.310588		2	2	0.36297		0	1	0	0									
19	4546		0.208522	0.762753	0.01828	0.010445		2	2	0.762753		0	1	0	0									
20	4547		0.000268	0.199422	0.798927	0.001383		3	3	0.798927		0	0	1	0									
21	4548		3.26E-07	0.999999	1.02E-06	1.19E-08		2	2	0.999999		0	1	0	0									
22	4549		6.46E-08	0.999999	9.05E-07	3.19E-08		2	2	0.999999		0	1	0	0									
23	4550		5.1E-11	1	4.16E-09	2.31E-07		2	2	1		0	1	0	0									
24	4551		0.000123	0.865426	0.126179	0.008271		2	2	0.865426		0	1	0	0									
25	4552		2.92E-06	0.002011	0.997968	1.79E-05		3	3	0.997968		0	0	1	0									
26	4553		1.68E-06	0.000114	0.999881	3E-06		3	3	0.999881		0	0	1	0									
27	4554		0.000173	0.010304	0.986992	0.002531		3	3	0.986992		0	0	1	0									
28	4555		0.003055	0.197896	0.089464	0.709585		4	4	0.709585		0	0	0	1									
29	4556		0.024753	0.044762	0.892024	0.038461		3	3	0.892024		0	0	1	0									
30	4557		0.130823	0.384395	0.418193	0.066589		3	3	0.418193		0	0	1	0									
31	4558		0.029438	0.70816	0.239131	0.023271		2	2	0.70816		0	1	0	0									
32	4559		0.060644	0.160053	0.26035	0.518953		4	4	0.518953		0	0	0	1									
33	4560		0.027002	0.195829	0.296488	0.480682		4	4	0.480682		0	0	0	1									
34	4561		0.136117	0.220449	0.191826	0.451608		4	4	0.451608		0	0	0	1									
35	4562		0.029399	0.416214	0.540863	0.013524		3	3	0.540863		0	0	1	0									
36	4563		0.604593	0.100834	0.293958	0.000616		1	1	0.604593		1	0	0	0									
37	4564		0.385494	0.09207	0.520853	0.001583		3	3	0.520853		0	0	1	0									
38	4565		0.465393	0.003291	0.52492	0.006395		3	3	0.52492		0	0	1	0									
39	4566		0.226491	0.020613	0.726187	0.02671		3	3	0.726187		0	0	1	0									
40	4567		0.273935	0.001284	0.721557	0.003224		3	3	0.721557		0	0	1	0									
41	4568		0.057995	0.015913	0.925925	0.000166		3	3	0.925925		0	0	1	0									
42	4569		0.044769	0.000458	0.954455	0.000317		3	3	0.954455		0	0	1	0									

pred 21629 | pred 21634 | pred 21639 | **pred 21645** | pred 21661 | pred 21662 | pred 21666 | pred 21669 | pred 21675 | pred 21679

21661

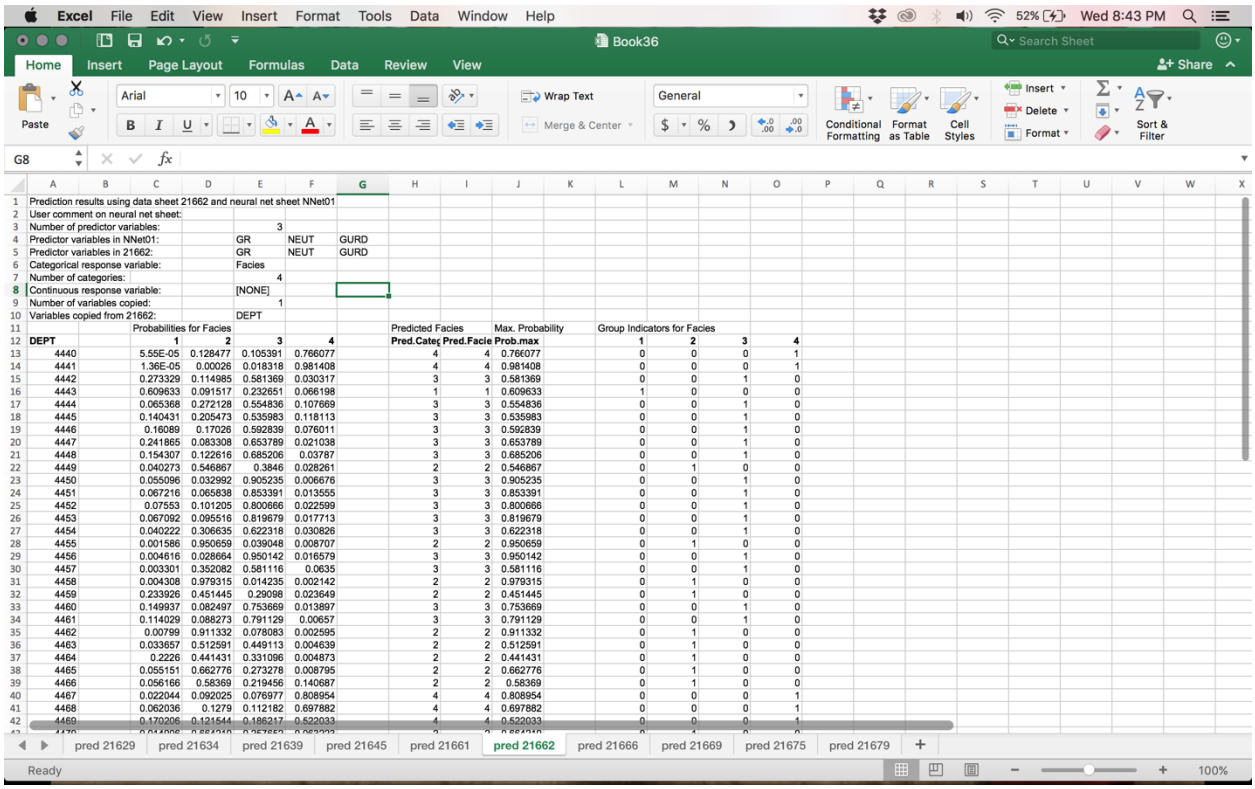


	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	W	X
1	Prediction results using data sheet 21661 and neural net sheet NNet01																							
2	User comment on neural net sheet:																							
3	Number of predictor variables:				3																			
4	Predictor variables in NNet01:				GR	NEUT	GURD																	
5	Predictor variables in 21661:				GR	NEUT	GURD																	
6	Categorical response variable:				Facies																			
7	Number of categories:				4																			
8	Continuous response variable:				[NONE]																			
9	Number of variables copied:				1																			
10	Variables copied from 21661:				DEPT																			
11			Probabilities for Facies					Predicted Facies		Max. Probability		Group Indicators for Facies												
12	DEPT		1	2	3	4		Pred.Cate	Pred.Facie	Prob.max		1	2	3	4									
13	4400		1.58E-06	0.044881	0.002767	0.95235		4	4	0.95235		0	0	0	1									
14	4401		5.62E-06	0.092055	0.014492	0.893448		4	4	0.893448		0	0	0	1									
15	4402		0.005269	0.153569	0.505742	0.335421		3	3	0.505742		0	0	1	0									
16	4403		0.628179	0.326235	0.040162	0.005424		1	1	0.628179		1	0	0	0									
17	4404		0.327085	0.327422	0.344639	0.000854		3	3	0.344639		0	0	1	0									
18	4405		0.119482	0.00238	0.878045	9.37E-05		3	3	0.878045		0	0	1	0									
19	4406		0.048014	0.005445	0.948537	3.74E-06		3	3	0.948537		0	0	1	0									
20	4407		0.618172	0.009605	0.372212	1.18E-05		1	1	0.618172		1	0	0	0									
21	4408		0.698601	0.069442	0.231898	5.85E-05		1	1	0.698601		1	0	0	0									
22	4409		0.289326	0.426355	0.282313	0.002005		2	2	0.426355		0	1	0	0									
23	4410		0.281173	0.677783	0.038142	0.002902		2	2	0.677783		0	1	0	0									
24	4411		0.106748	0.759118	0.123809	0.010325		2	2	0.759118		0	1	0	0									
25	4412		0.043295	0.036222	0.912954	0.007529		3	3	0.912954		0	0	1	0									
26	4413		0.00183	0.983579	0.01358	0.001011		2	2	0.983579		0	1	0	0									
27	4414		5.06E-05	0.998878	0.000997	7.47E-05		2	2	0.998878		0	1	0	0									
28	4415		0.001285	0.866284	0.127665	0.004766		2	2	0.866284		0	1	0	0									
29	4416		0.001103	0.011823	0.98234	0.004734		3	3	0.98234		0	0	1	0									
30	4417		0.032904	0.008501	0.957349	0.001247		3	3	0.957349		0	0	1	0									
31	4418		0.002022	0.02742	0.968287	0.002271		3	3	0.968287		0	0	1	0									
32	4419		0.001521	0.835048	0.149268	0.014163		2	2	0.835048		0	1	0	0									
33	4420		2.46E-05	0.989193	0.005511	0.005272		2	2	0.989193		0	1	0	0									
34	4421		0.046179	0.121193	0.775076	0.057552		3	3	0.775076		0	0	1	0									
35	4422		0.000841	0.65192	0.342363	0.004876		2	2	0.65192		0	1	0	0									
36	4423		0.007357	0.929734	0.054241	0.008667		2	2	0.929734		0	1	0	0									
37	4424		0.123101	0.700953	0.140362	0.035584		2	2	0.700953		0	1	0	0									
38	4425		0.395243	0.017256	0.586923	0.000578		3	3	0.586923		0	0	1	0									
39	4426		0.441284	0.105924	0.452537	0.000255		3	3	0.452537		0	0	1	0									
40	4427		0.676966	0.290728	0.024905	0.0074		1	1	0.676966		1	0	0	0									
41	4428		0.653535	0.327687	0.017299	0.001479		1	1	0.653535		1	0	0	0									
42	4429		0.628389	0.352773	0.017192	0.001646		1	1	0.628389		1	0	0	0									

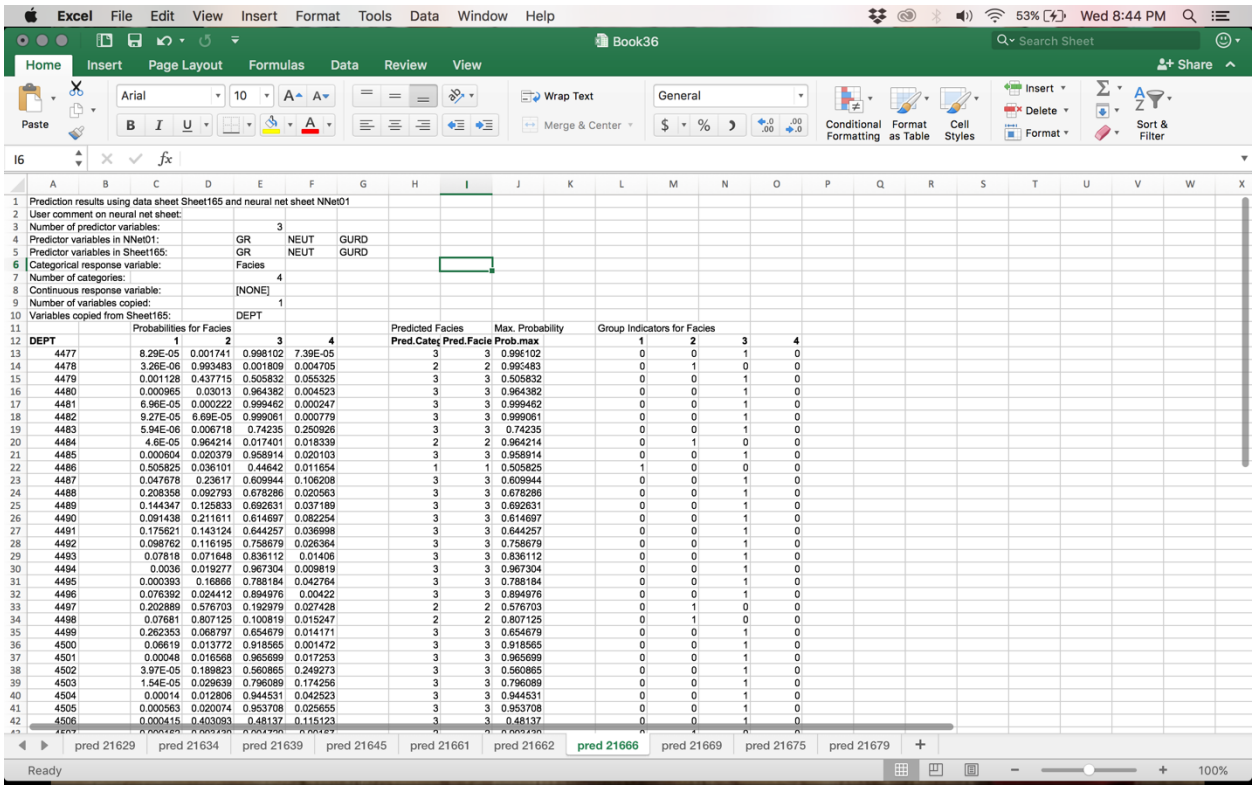
pred 21629 | pred 21634 | pred 21639 | pred 21645 | pred 21661 | pred 21662 | pred 21666 | pred 21669 | pred 21675 | pred 21679

Ready

21662


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:43 PM
Book36
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
G8
Prediction results using data sheet 21662 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21662: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21662: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Cate Pred.Facie Prob.max 1 2 3 4
4440 5.55E-05 0.128477 0.105391 0.766077 4 4 0.766077 0 0 0 1
4441 1.36E-05 0.00026 0.018318 0.981408 4 4 0.981408 0 0 0 1
4442 0.273329 0.114985 0.581369 0.030317 3 3 0.581369 0 0 1 0
4443 0.609633 0.091517 0.232651 0.066198 1 1 0.609633 1 0 0 0
4444 0.065368 0.272128 0.554836 0.107669 3 3 0.554836 0 0 1 0
4445 0.140431 0.205473 0.535983 0.118113 3 3 0.535983 0 0 1 0
4446 0.16089 0.17026 0.592839 0.076011 3 3 0.592839 0 0 1 0
4447 0.241865 0.083308 0.653789 0.021038 3 3 0.653789 0 0 1 0
4448 0.154307 0.122616 0.685206 0.03787 3 3 0.685206 0 0 1 0
4449 0.040273 0.546867 0.3846 0.028261 2 2 0.546867 0 1 0 0
4450 0.055096 0.032992 0.905235 0.006676 3 3 0.905235 0 0 1 0
4451 0.067216 0.065838 0.853391 0.013555 3 3 0.853391 0 0 1 0
4452 0.07553 0.101205 0.800666 0.022599 3 3 0.800666 0 0 1 0
4453 0.067092 0.095516 0.819679 0.017713 3 3 0.819679 0 0 1 0
4454 0.040222 0.306635 0.622318 0.030826 3 3 0.622318 0 0 1 0
4455 0.001586 0.950659 0.039048 0.008707 2 2 0.950659 0 1 0 0
4456 0.004616 0.028664 0.950142 0.016579 3 3 0.950142 0 0 1 0
4457 0.003301 0.352082 0.581116 0.0635 3 3 0.581116 0 0 1 0
4458 0.004308 0.979315 0.014235 0.002142 2 2 0.979315 0 1 0 0
4459 0.233926 0.451445 0.29098 0.023649 2 2 0.451445 0 1 0 0
4460 0.149937 0.082497 0.753669 0.013897 3 3 0.753669 0 0 1 0
4461 0.114029 0.088273 0.791129 0.00657 3 3 0.791129 0 0 1 0
4462 0.00799 0.911332 0.078083 0.002595 2 2 0.911332 0 1 0 0
4463 0.033657 0.512591 0.449113 0.004639 2 2 0.512591 0 1 0 0
4464 0.2226 0.441431 0.331096 0.004873 2 2 0.441431 0 1 0 0
4465 0.055151 0.662776 0.273278 0.008795 2 2 0.662776 0 1 0 0
4466 0.056166 0.58369 0.219456 0.140687 2 2 0.58369 0 1 0 0
4467 0.022044 0.092025 0.076977 0.808954 4 4 0.808954 0 0 0 1
4468 0.062036 0.1279 0.112182 0.697882 4 4 0.697882 0 0 0 1
pred 21629 pred 21634 pred 21639 pred 21645 pred 21661 pred 21662 pred 21666 pred 21669 pred 21675 pred 21679
Ready
100%

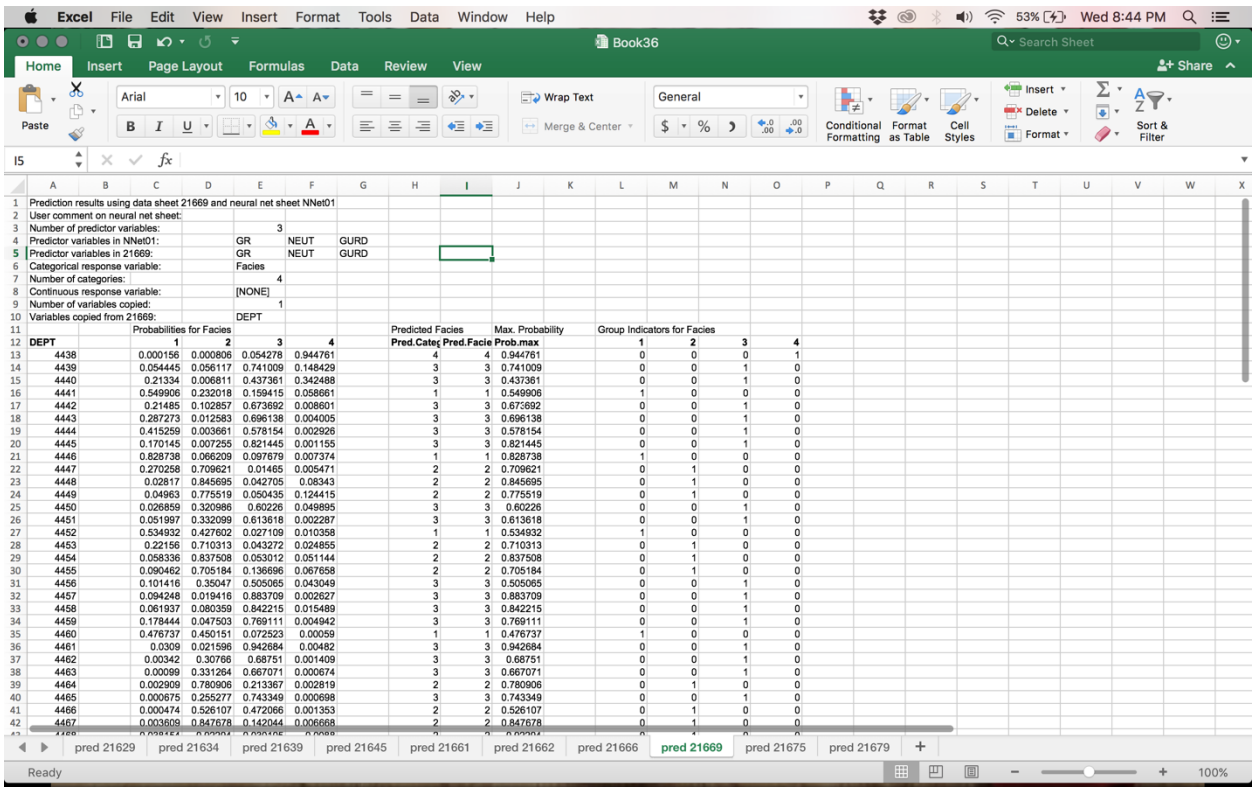
21666



	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet Sheet165 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in Sheet165:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from Sheet165:				DEPT										
11		Probabilities for Facies						Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT	1	2	3	4			Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4477	8.29E-05	0.001741	0.998102	7.39E-05			3	3	0.998102	0	0	1	0	
14	4478	3.26E-06	0.993483	0.001809	0.004705			2	2	0.993483	0	1	0	0	
15	4479	0.001128	0.437715	0.505832	0.055325			3	3	0.505832	0	0	1	0	
16	4480	0.000965	0.03013	0.964382	0.004523			3	3	0.964382	0	0	1	0	
17	4481	6.96E-05	0.000222	0.999462	0.000247			3	3	0.999462	0	0	1	0	
18	4482	9.27E-05	6.69E-05	0.999061	0.000779			3	3	0.999061	0	0	1	0	
19	4483	5.94E-06	0.006718	0.74235	0.250926			3	3	0.74235	0	0	1	0	
20	4484	4.6E-05	0.964214	0.017401	0.018339			2	2	0.964214	0	1	0	0	
21	4485	0.000604	0.020379	0.958914	0.020103			3	3	0.958914	0	0	1	0	
22	4486	0.505825	0.036101	0.44642	0.011654			1	1	0.505825	1	0	0	0	
23	4487	0.047678	0.23617	0.609944	0.106208			3	3	0.609944	0	0	1	0	
24	4488	0.208358	0.092793	0.678286	0.020563			3	3	0.678286	0	0	1	0	
25	4489	0.144347	0.125833	0.692631	0.037189			3	3	0.692631	0	0	1	0	
26	4490	0.091438	0.211611	0.614697	0.082254			3	3	0.614697	0	0	1	0	
27	4491	0.175621	0.143124	0.644257	0.036998			3	3	0.644257	0	0	1	0	
28	4492	0.098762	0.116195	0.758679	0.026364			3	3	0.758679	0	0	1	0	
29	4493	0.07818	0.071648	0.836112	0.01406			3	3	0.836112	0	0	1	0	
30	4494	0.0036	0.019277	0.967304	0.009819			3	3	0.967304	0	0	1	0	
31	4495	0.000393	0.16886	0.788184	0.042764			3	3	0.788184	0	0	1	0	
32	4496	0.076392	0.024412	0.894976	0.00422			3	3	0.894976	0	0	1	0	
33	4497	0.202889	0.576703	0.192979	0.027428			2	2	0.576703	0	1	0	0	
34	4498	0.07681	0.807125	0.100819	0.015247			2	2	0.807125	0	1	0	0	
35	4499	0.262353	0.068797	0.654679	0.014171			3	3	0.654679	0	0	1	0	
36	4500	0.06619	0.013772	0.918565	0.001472			3	3	0.918565	0	0	1	0	
37	4501	0.00048	0.016568	0.965699	0.017253			3	3	0.965699	0	0	1	0	
38	4502	3.97E-05	0.189823	0.560865	0.249273			3	3	0.560865	0	0	1	0	
39	4503	1.54E-05	0.029639	0.796089	0.174256			3	3	0.796089	0	0	1	0	
40	4504	0.00014	0.012806	0.944531	0.042523			3	3	0.944531	0	0	1	0	
41	4505	0.000563	0.020074	0.953708	0.025655			3	3	0.953708	0	0	1	0	
42	4506	0.000415	0.403093	0.48137	0.115123			3	3	0.48137	0	0	1	0	

pred 21629 | pred 21634 | pred 21639 | pred 21645 | pred 21661 | pred 21662 | **pred 21666** | pred 21669 | pred 21675 | pred 21679

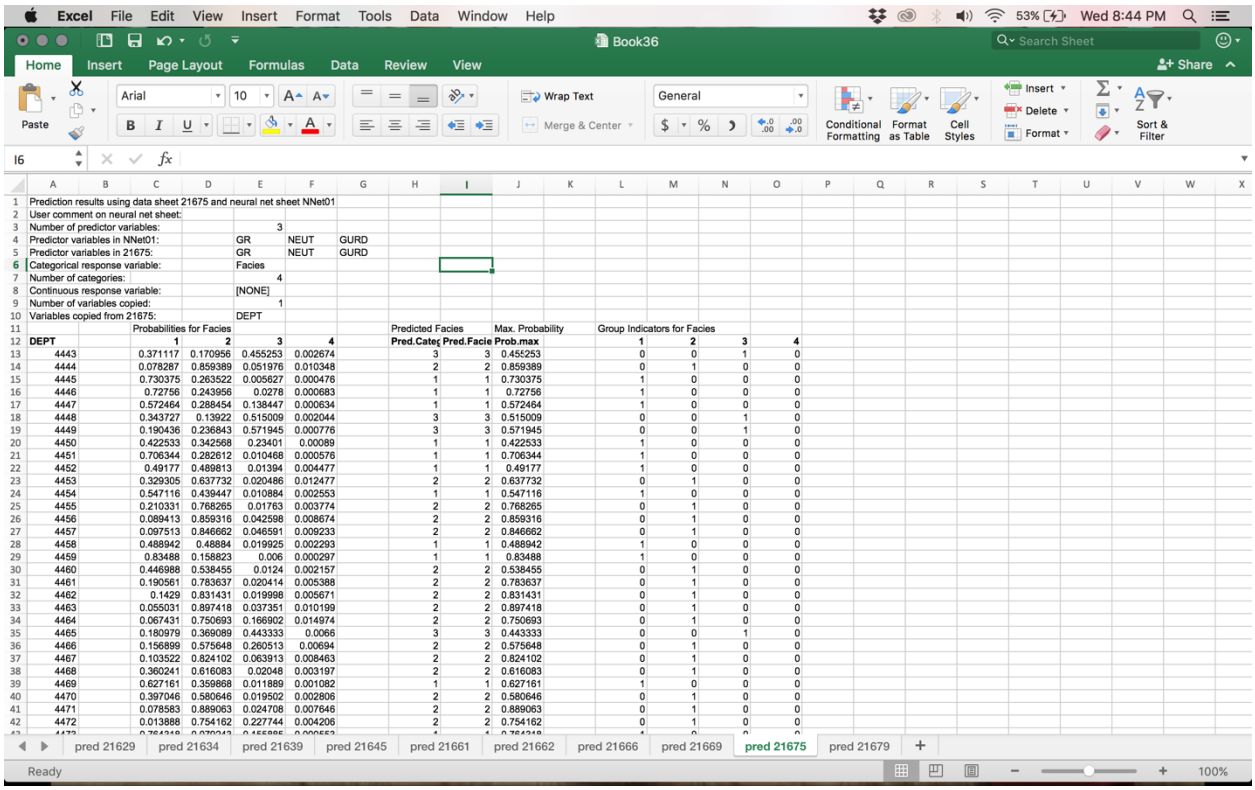
21669



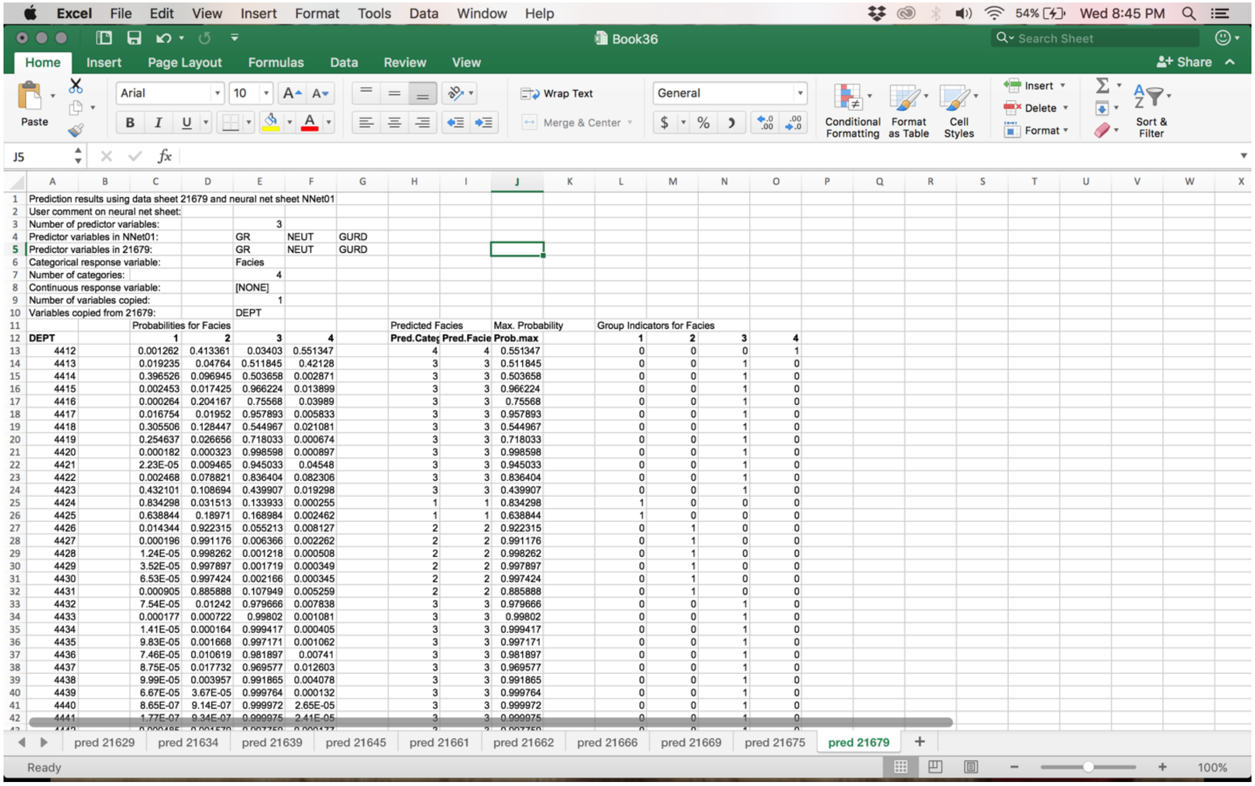
	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O
1	Prediction results using data sheet 21669 and neural net sheet NNet01														
2	User comment on neural net sheet:														
3	Number of predictor variables:				3										
4	Predictor variables in NNet01:				GR	NEUT	GURD								
5	Predictor variables in 21669:				GR	NEUT	GURD								
6	Categorical response variable:				Facies										
7	Number of categories:				4										
8	Continuous response variable:				[NONE]										
9	Number of variables copied:				1										
10	Variables copied from 21669:				DEPT										
11		Probabilities for Facies						Predicted Facies		Max. Probability	Group Indicators for Facies				
12	DEPT	1	2	3	4			Pred.Categ	Pred.Facie	Prob.max	1	2	3	4	
13	4438	0.000156	0.000806	0.054278	0.944761			4	4	0.944761	0	0	0	1	
14	4439	0.054445	0.056117	0.741009	0.148429			3	3	0.741009	0	0	1	0	
15	4440	0.21334	0.006811	0.437361	0.342488			3	3	0.437361	0	0	1	0	
16	4441	0.549906	0.232018	0.159415	0.058661			1	1	0.549906	1	0	0	0	
17	4442	0.21485	0.102857	0.673692	0.008601			3	3	0.673692	0	0	1	0	
18	4443	0.287273	0.012583	0.696138	0.004005			3	3	0.696138	0	0	1	0	
19	4444	0.415259	0.003681	0.578154	0.002926			3	3	0.578154	0	0	1	0	
20	4445	0.170145	0.007255	0.821445	0.001155			3	3	0.821445	0	0	1	0	
21	4446	0.828738	0.066209	0.097679	0.007374			1	1	0.828738	1	0	0	0	
22	4447	0.270258	0.709621	0.01465	0.005471			2	2	0.709621	0	1	0	0	
23	4448	0.02817	0.845695	0.042705	0.08343			2	2	0.845695	0	1	0	0	
24	4449	0.04963	0.775519	0.050435	0.124415			2	2	0.775519	0	1	0	0	
25	4450	0.026859	0.320986	0.60226	0.049895			3	3	0.60226	0	0	1	0	
26	4451	0.051997	0.332099	0.613618	0.002287			3	3	0.613618	0	0	1	0	
27	4452	0.534932	0.427602	0.027109	0.010358			1	1	0.534932	1	0	0	0	
28	4453	0.22156	0.710313	0.043272	0.024855			2	2	0.710313	0	1	0	0	
29	4454	0.058336	0.837508	0.053012	0.051144			2	2	0.837508	0	1	0	0	
30	4455	0.090462	0.705184	0.136696	0.067658			2	2	0.705184	0	1	0	0	
31	4456	0.101416	0.35047	0.505065	0.043049			3	3	0.505065	0	0	1	0	
32	4457	0.094248	0.019416	0.883709	0.002627			3	3	0.883709	0	0	1	0	
33	4458	0.061937	0.080359	0.842215	0.015489			3	3	0.842215	0	0	1	0	
34	4459	0.178444	0.047503	0.769111	0.004942			3	3	0.769111	0	0	1	0	
35	4460	0.476737	0.450151	0.072523	0.00059			1	1	0.476737	1	0	0	0	
36	4461	0.0309	0.021596	0.942684	0.00482			3	3	0.942684	0	0	1	0	
37	4462	0.00342	0.30766	0.68751	0.001409			3	3	0.68751	0	0	1	0	
38	4463	0.00099	0.331264	0.667071	0.000674			3	3	0.667071	0	0	1	0	
39	4464	0.002909	0.780906	0.213367	0.002819			2	2	0.780906	0	1	0	0	
40	4465	0.000675	0.255277	0.743349	0.000698			3	3	0.743349	0	0	1	0	
41	4466	0.000474	0.526107	0.472066	0.001353			2	2	0.526107	0	1	0	0	
42	4467	0.003609	0.847678	0.142044	0.006668			2	2	0.847678	0	1	0	0	

pred 21629 | pred 21634 | pred 21639 | pred 21645 | pred 21661 | pred 21662 | pred 21666 | **pred 21669** | pred 21675 | pred 21679

21675


Excel File Edit View Insert Format Tools Data Window Help
Wed 8:44 PM
Book36
Search Sheet
Home Insert Page Layout Formulas Data Review View
Share
Paste
Arial
10
Wrap Text
General
Merge & Center
Conditional Formatting
Format as Table
Cell Styles
Insert
Delete
Format
Sort & Filter
I6
Prediction results using data sheet 21675 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21675: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21675: DEPT
Probabilities for Facies
Predicted Facies
Max. Probability
Group Indicators for Facies
DEPT 1 2 3 4 Pred.Categ Pred.Facie Prob.max 1 2 3 4
4443 0.371117 0.170956 0.455253 0.002674 3 3 0.455253 0 0 1 0
4444 0.078287 0.859389 0.051976 0.010348 2 2 0.859389 0 1 0 0
4445 0.730375 0.263522 0.005627 0.000476 1 1 0.730375 1 0 0 0
4446 0.72756 0.243956 0.0278 0.000683 1 1 0.72756 1 0 0 0
4447 0.572464 0.288454 0.138447 0.000634 1 1 0.572464 1 0 0 0
4448 0.343727 0.13922 0.515009 0.002044 3 3 0.515009 0 0 1 0
4449 0.190436 0.236843 0.571945 0.000776 3 3 0.571945 0 0 1 0
4450 0.422533 0.342568 0.23401 0.00089 1 1 0.422533 1 0 0 0
4451 0.706344 0.282612 0.010468 0.000576 1 1 0.706344 1 0 0 0
4452 0.49177 0.489813 0.01394 0.004477 1 1 0.49177 1 0 0 0
4453 0.329305 0.637732 0.020486 0.012477 2 2 0.637732 0 1 0 0
4454 0.547116 0.439447 0.010884 0.002553 1 1 0.547116 1 0 0 0
4455 0.210331 0.768265 0.01763 0.003774 2 2 0.768265 0 1 0 0
4456 0.089413 0.859316 0.042598 0.008674 2 2 0.859316 0 1 0 0
4457 0.097513 0.846662 0.046591 0.009233 2 2 0.846662 0 1 0 0
4458 0.488942 0.48884 0.019925 0.002293 1 1 0.488942 1 0 0 0
4459 0.83488 0.159823 0.006 0.000297 1 1 0.83488 1 0 0 0
4460 0.446988 0.538455 0.0124 0.002157 2 2 0.538455 0 1 0 0
4461 0.190561 0.783637 0.020414 0.005388 2 2 0.783637 0 1 0 0
4462 0.1429 0.831431 0.019998 0.005671 2 2 0.831431 0 1 0 0
4463 0.055031 0.897418 0.037351 0.010199 2 2 0.897418 0 1 0 0
4464 0.067431 0.750693 0.166902 0.014974 2 2 0.750693 0 1 0 0
4465 0.180979 0.369089 0.443333 0.0066 3 3 0.443333 0 0 1 0
4466 0.156899 0.575648 0.260513 0.00694 2 2 0.575648 0 1 0 0
4467 0.103522 0.824102 0.063913 0.008463 2 2 0.824102 0 1 0 0
4468 0.360241 0.616083 0.02048 0.003197 2 2 0.616083 0 1 0 0
4469 0.627161 0.359868 0.011889 0.001082 1 1 0.627161 1 0 0 0
4470 0.397046 0.580646 0.019502 0.002806 2 2 0.580646 0 1 0 0
4471 0.078583 0.889063 0.024708 0.007646 2 2 0.889063 0 1 0 0
4472 0.013888 0.754162 0.227744 0.004206 2 2 0.754162 0 1 0 0
pred 21629 pred 21634 pred 21639 pred 21645 pred 21661 pred 21662 pred 21666 pred 21669 pred 21675 pred 21679
Ready
100%

21679



Prediction results using data sheet 21679 and neural net sheet NNet01
User comment on neural net sheet:
Number of predictor variables: 3
Predictor variables in NNet01: GR NEUT GURD
Predictor variables in 21679: GR NEUT GURD
Categorical response variable: Facies
Number of categories: 4
Continuous response variable: [NONE]
Number of variables copied: 1
Variables copied from 21679: DEPT

	Probabilities for Facies				Predicted Facies		Max. Probability	Group Indicators for Facies			
DEPT	1	2	3	4	Pred.Categ	Pred.Facie	Prob.max	1	2	3	4
4412	0.001262	0.413361	0.03403	0.551347	4	4	0.551347	0	0	0	1
4413	0.019235	0.04764	0.511845	0.42128	3	3	0.511845	0	0	1	0
4414	0.396526	0.096945	0.503658	0.002871	3	3	0.503658	0	0	1	0
4415	0.002453	0.017425	0.966224	0.013899	3	3	0.966224	0	0	1	0
4416	0.000264	0.204167	0.75568	0.03989	3	3	0.75568	0	0	1	0
4417	0.016754	0.01952	0.957893	0.005833	3	3	0.957893	0	0	1	0
4418	0.305506	0.128447	0.544967	0.021081	3	3	0.544967	0	0	1	0
4419	0.254637	0.026656	0.718033	0.000674	3	3	0.718033	0	0	1	0
4420	0.000182	0.000323	0.998598	0.000897	3	3	0.998598	0	0	1	0
4421	2.23E-05	0.009465	0.945033	0.04548	3	3	0.945033	0	0	1	0
4422	0.002468	0.078821	0.836404	0.082306	3	3	0.836404	0	0	1	0
4423	0.432101	0.108694	0.439907	0.019298	3	3	0.439907	0	0	1	0
4424	0.834298	0.031513	0.133933	0.000255	1	1	0.834298	1	0	0	0
4425	0.638844	0.18971	0.168984	0.002462	1	1	0.638844	1	0	0	0
4426	0.014344	0.922315	0.055213	0.008127	2	2	0.922315	0	1	0	0
4427	0.000196	0.991176	0.006366	0.002262	2	2	0.991176	0	1	0	0
4428	1.24E-05	0.998262	0.001218	0.000508	2	2	0.998262	0	1	0	0
4429	3.52E-05	0.997897	0.001719	0.000349	2	2	0.997897	0	1	0	0
4430	6.53E-05	0.997424	0.002166	0.000345	2	2	0.997424	0	1	0	0
4431	0.000905	0.885888	0.107949	0.005259	2	2	0.885888	0	1	0	0
4432	7.54E-05	0.01242	0.979666	0.007838	3	3	0.979666	0	0	1	0
4433	0.000177	0.000722	0.99802	0.001081	3	3	0.99802	0	0	1	0
4434	1.41E-05	0.000164	0.999417	0.000405	3	3	0.999417	0	0	1	0
4435	9.83E-05	0.001668	0.997171	0.001062	3	3	0.997171	0	0	1	0
4436	7.46E-05	0.010619	0.981897	0.00741	3	3	0.981897	0	0	1	0
4437	8.75E-05	0.017732	0.969577	0.012603	3	3	0.969577	0	0	1	0
4438	9.99E-05	0.003957	0.991865	0.004078	3	3	0.991865	0	0	1	0
4439	6.67E-05	3.67E-05	0.999764	0.000132	3	3	0.999764	0	0	1	0
4440	8.65E-07	9.14E-07	0.999972	2.65E-05	3	3	0.999972	0	0	1	0
4441	1.77E-07	9.34E-07	0.999975	2.41E-05	3	3	0.999975	0	0	1	0