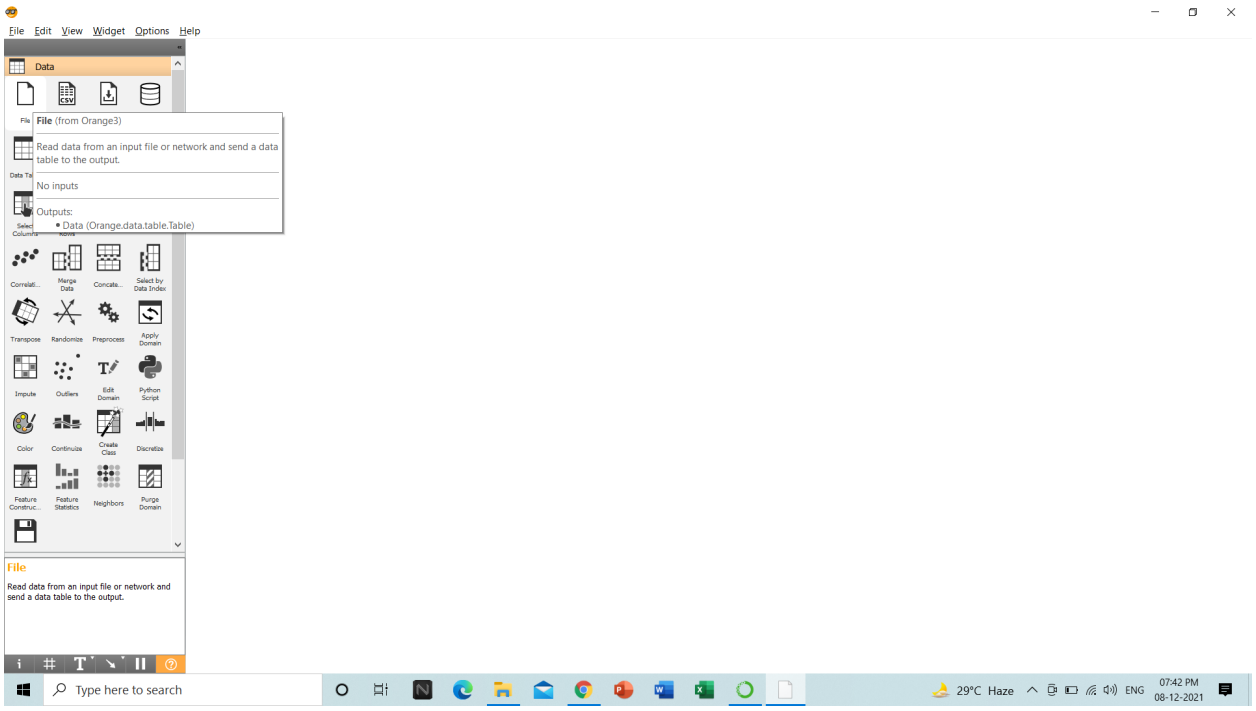
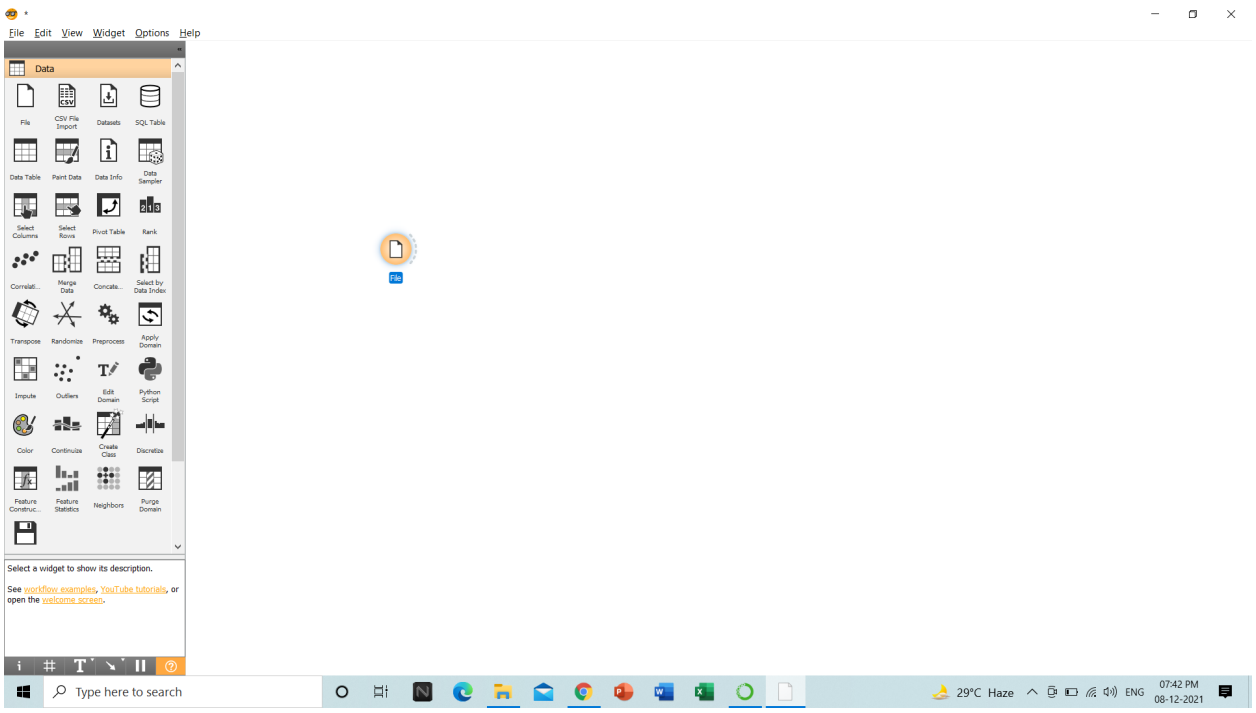
Name:- Yash Kesharwani **Roll No:- 3**
Class:- MSC CS Part 1 **Subject:- DWDM**

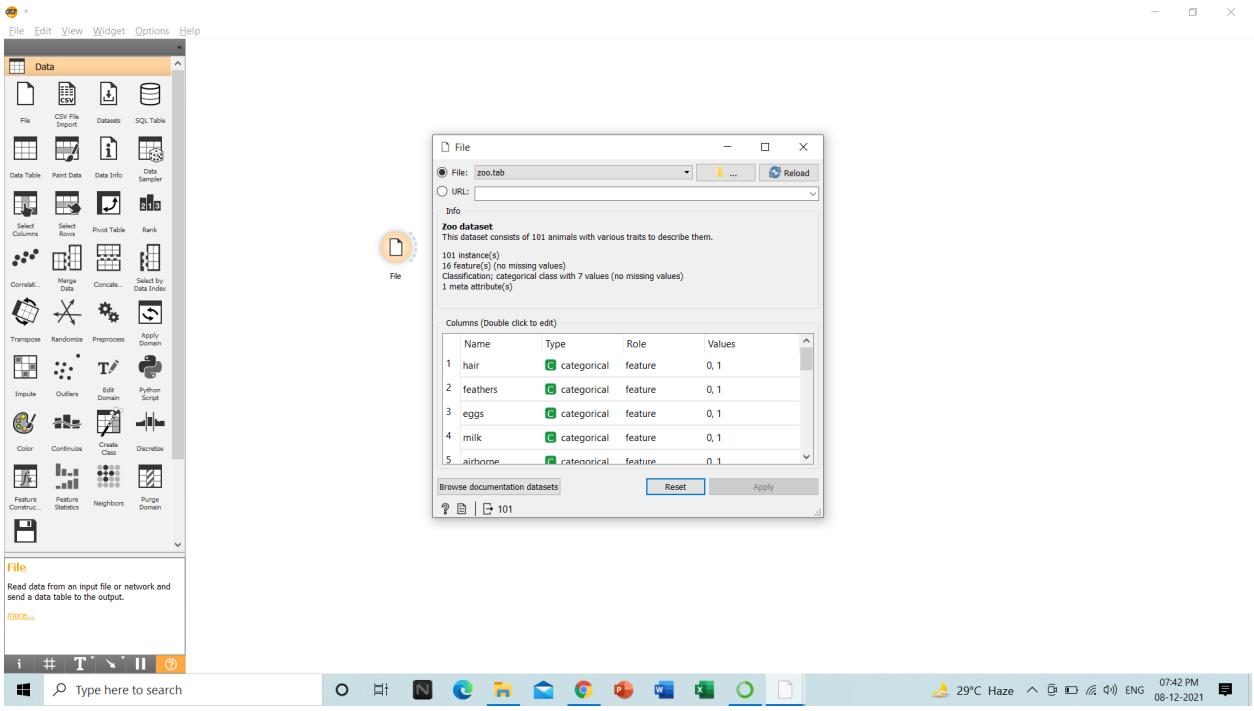
Aim: Classification using orange tool.

Step1:- We will be taking the available data files in order to predict the future things so open a new data file and drag the file just over it.

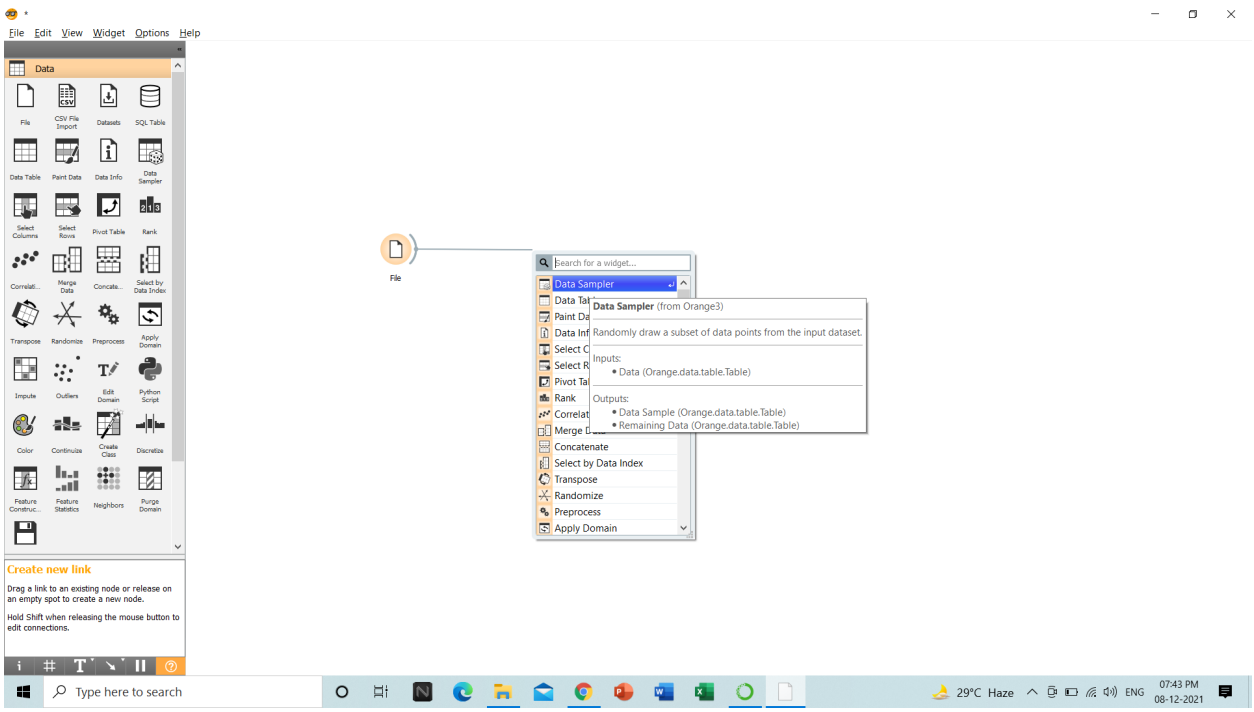




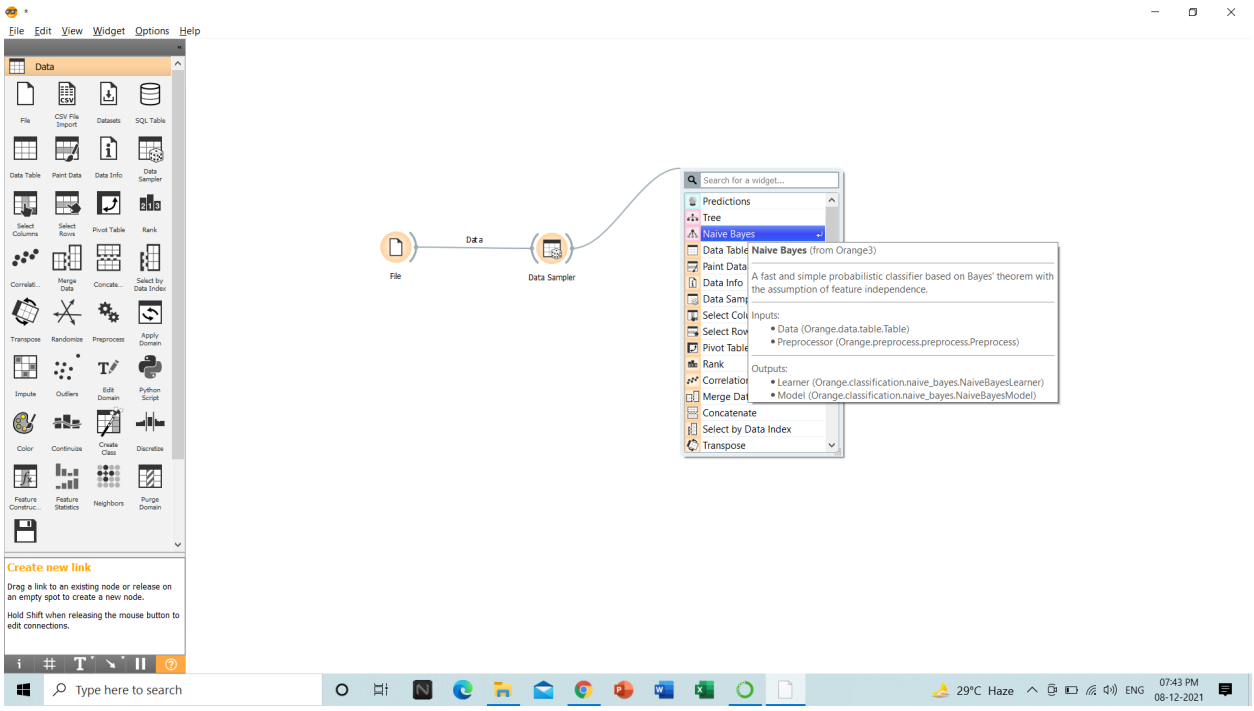
Step2:-Double click on the data file,from the dropdown list select the zoo.tab data file and close it.

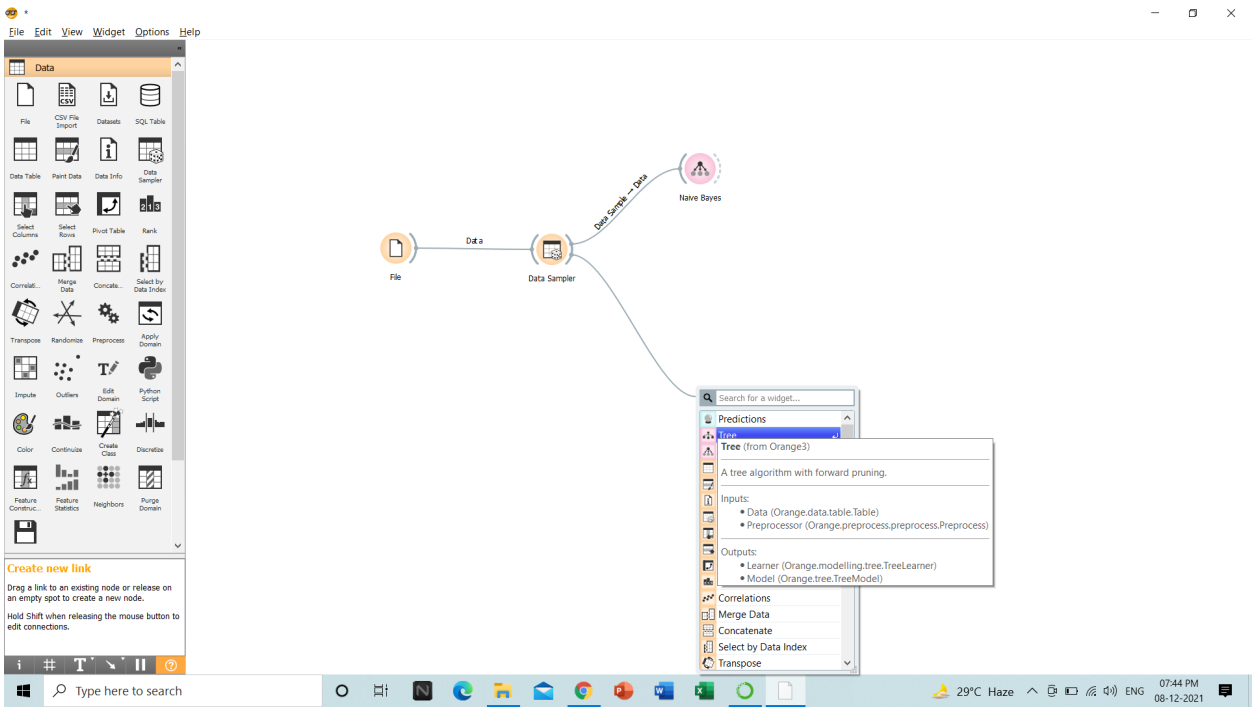


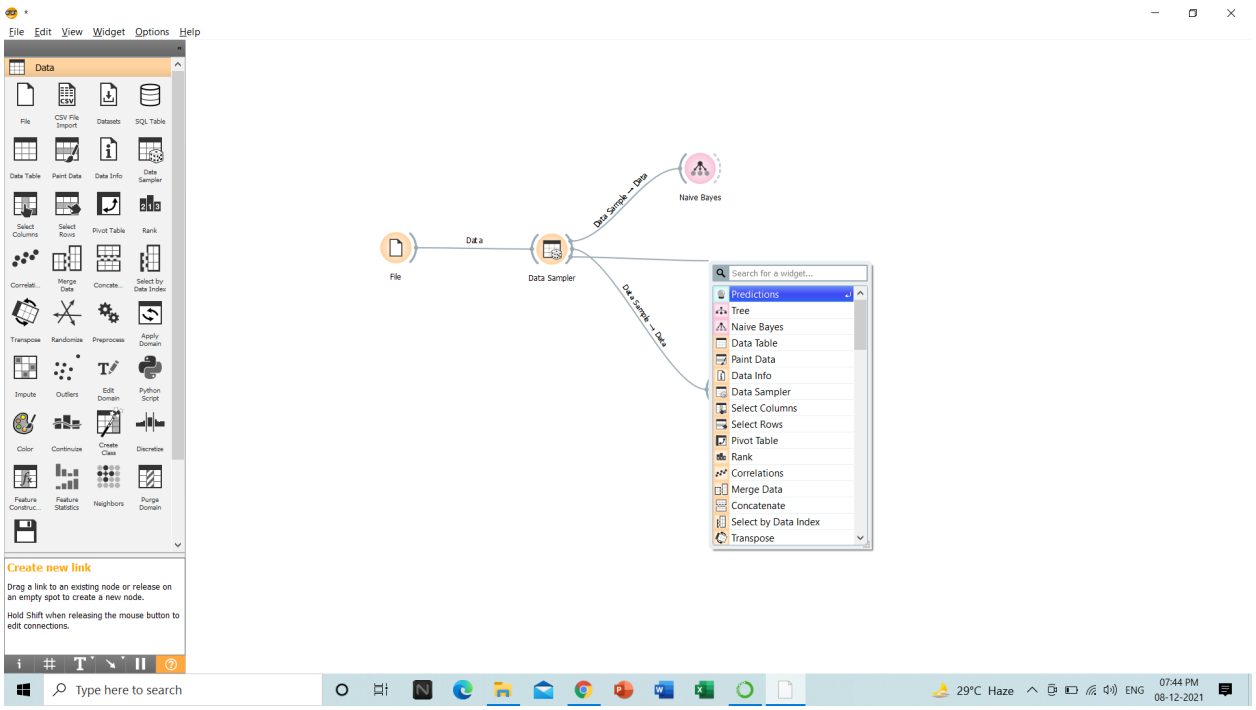
Step3:-Select the file and type data sampler.



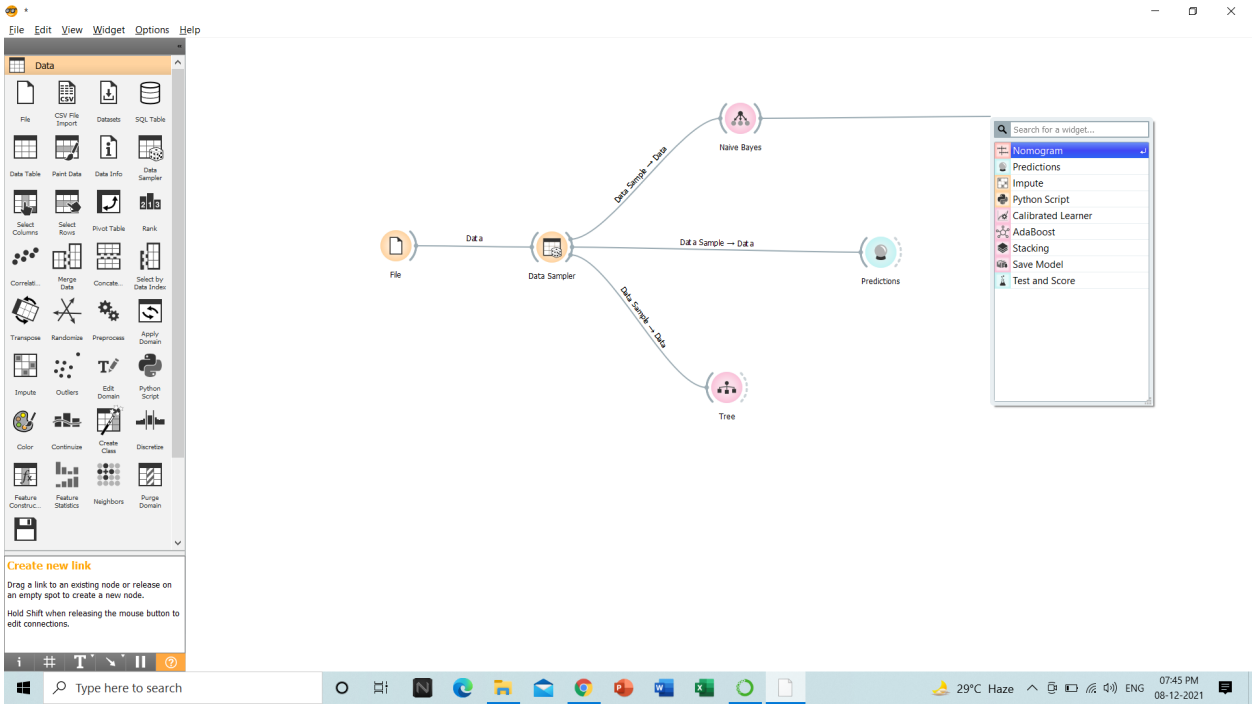
Step4:-Whenever we do prediction we will need to connect them with native bayes and classification tree to the prediction by dragging them across.

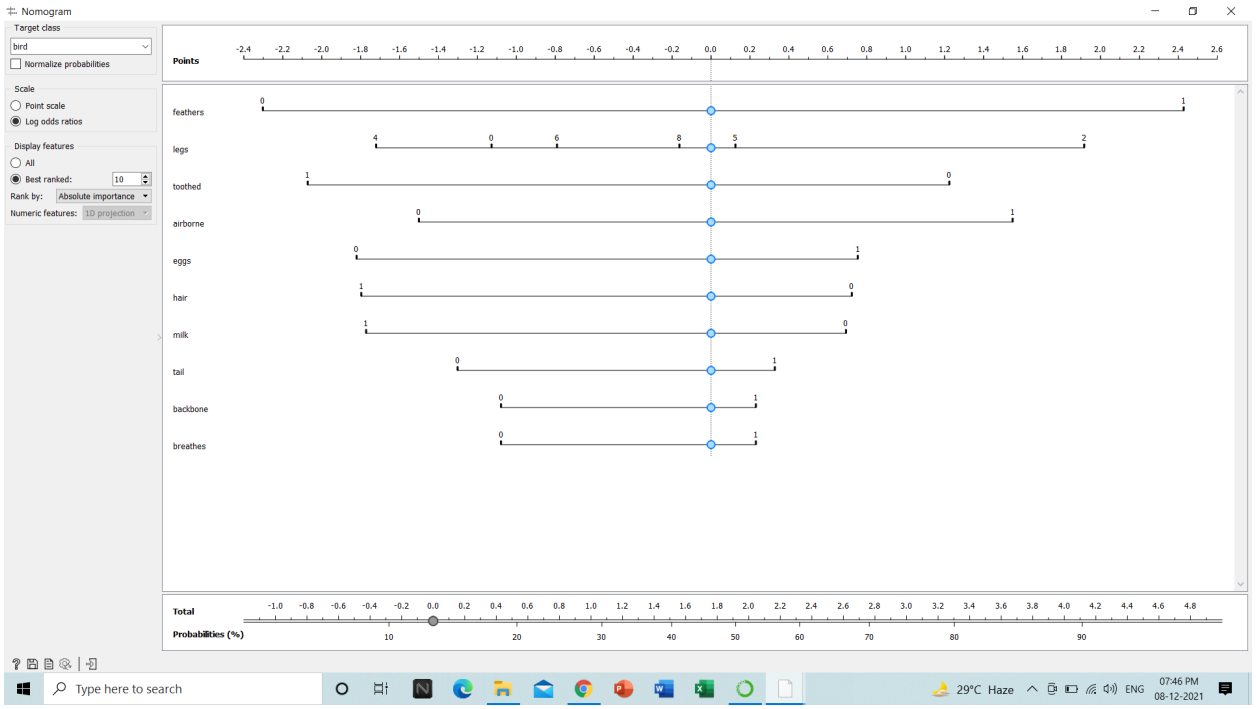






Step5:-The model is also able to show how you can predict the type class of the various attributes so you can use the nomogram for that double click on nomogram and you see the type of target class list so let's see if the you want to see if the data input you can drag these points across by sliding across the data one means yes and zero means no


File Edit View Widget Options Help
Data
File
CSV File Import
Datasets
SQL Table
Data Table
Paint Data
Data Info
Data Sampler
Select Columns
Select Rows
Pivot Table
Rank
Correlati...
Merge Data
Concate...
Select by Data Index
Transpose
Randomize
Preprocess
Apply Domain
Impute
Outliers
Edit Domain
Python Script
Color
Continuize
Create Class
Discretize
Feature Construc...
Feature Statistics
Neighbors
Purge Domain
Create new link
Drag a link to an existing node or release on an empty spot to create a new node.
Hold Shift when releasing the mouse button to edit connections.
Naive Bayes
Data Sample → Data
Data
File
Data Sampler
Data Sample → Data
Predictions
Data Sample → Data
Tree
Search for a widget...
Nomogram
Predictions
Impute
Python Script
Calibrated Learner
AdaBoost
Stacking
Save Model
Test and Score
Type here to search
29°C Haze
ENG
07:45 PM
08-12-2021


Nomogram
Target class
bird
Normalize probabilities
Scale
Point scale
Log odds ratios
Display features
All
Best ranked: 10
Rank by: Absolute importance
Numeric features: 1D projection
Points
feathers
legs
toothed
airborne
eggs
hair
milk
tail
backbone
breathes
Total
Probabilities (%)
Type here to search
29°C Haze
ENG
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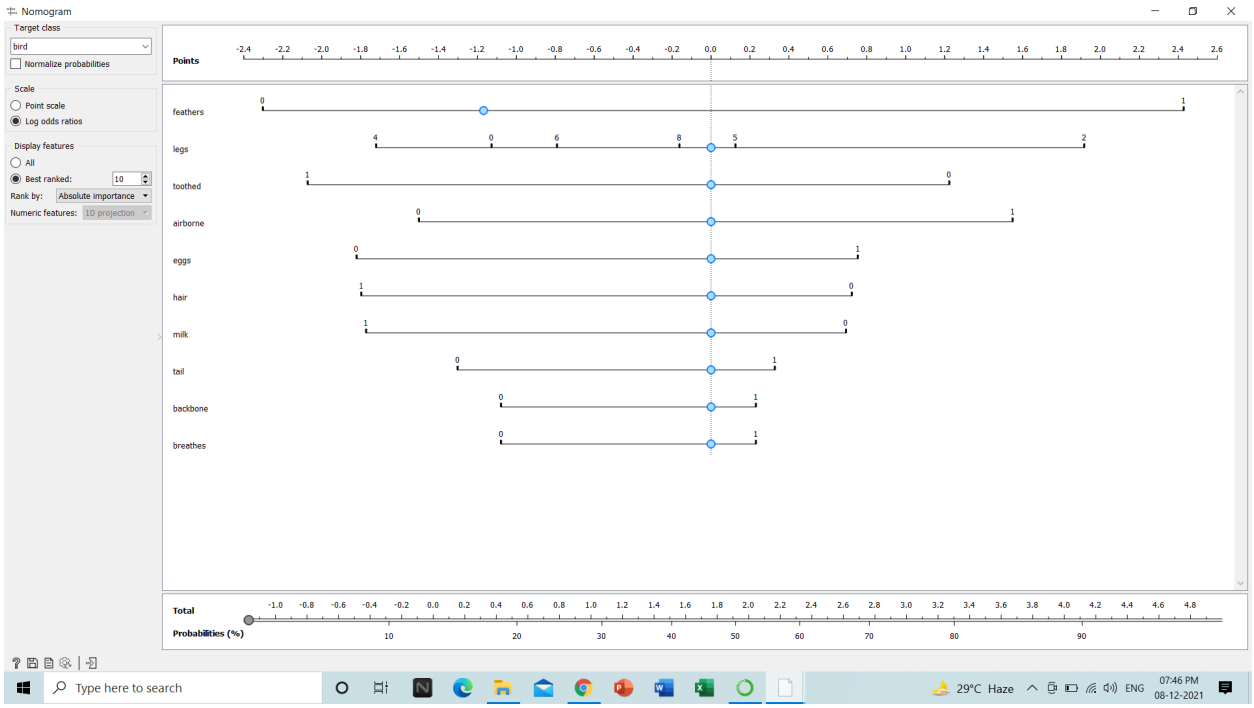
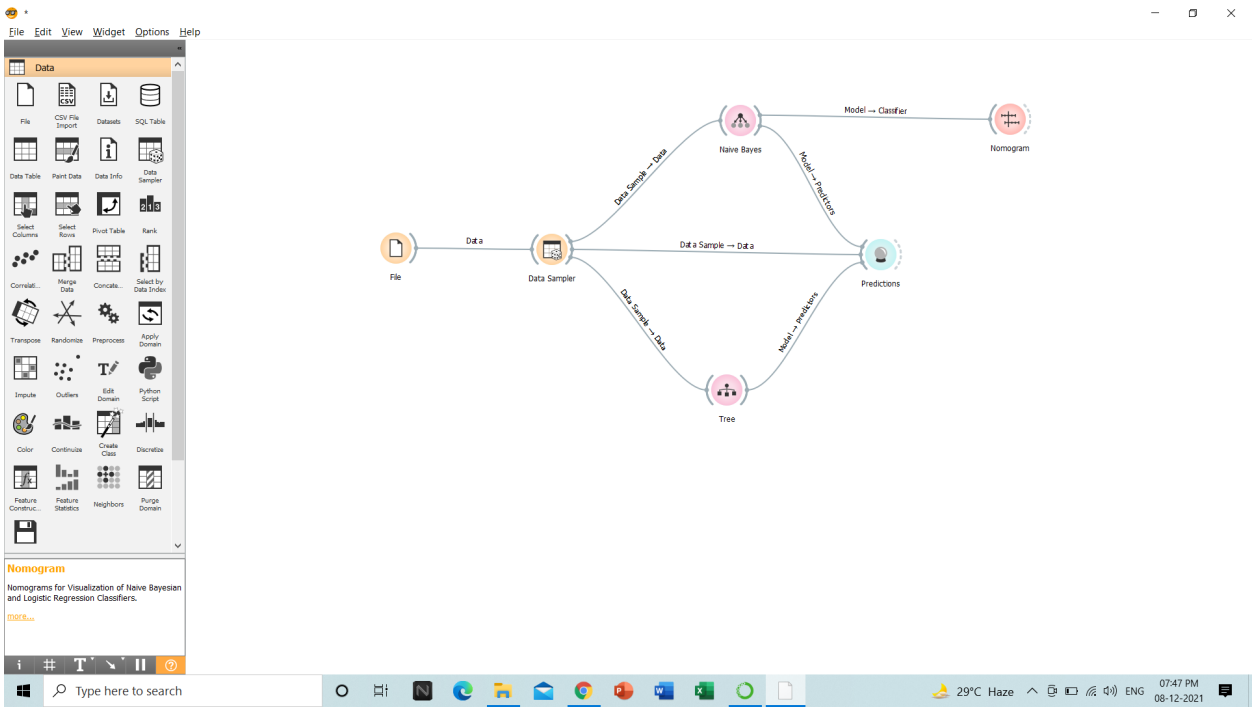
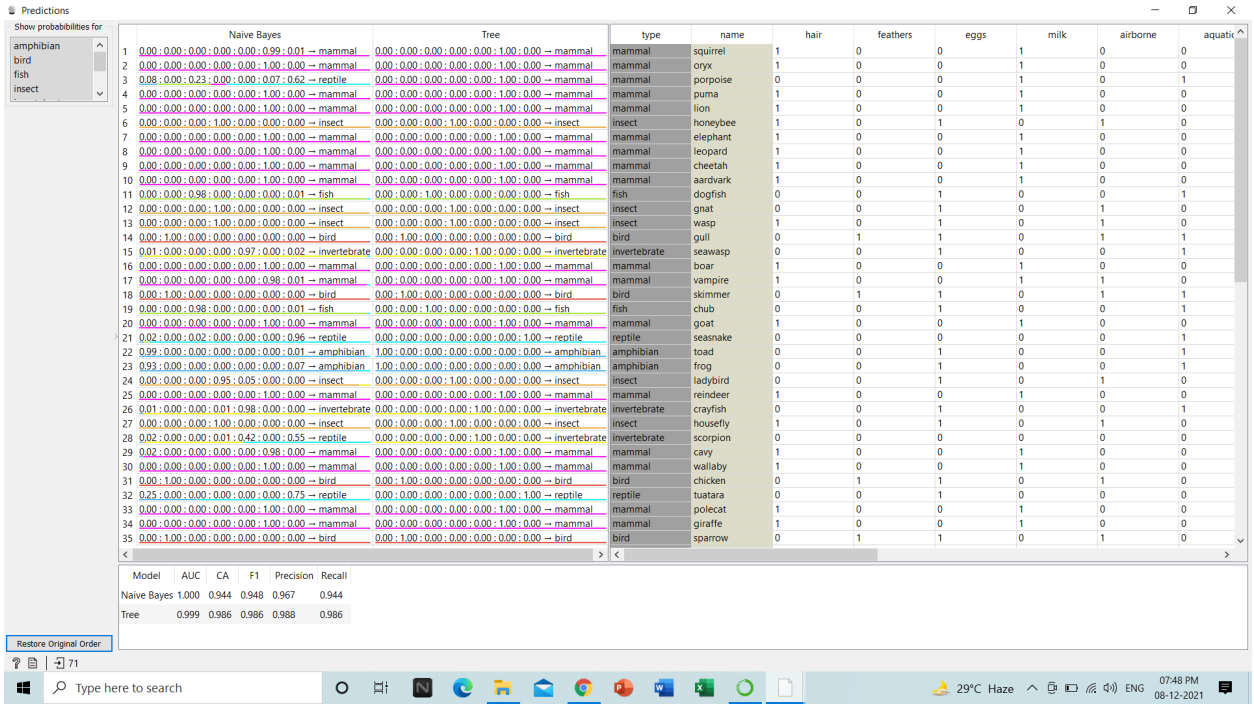
08-12-2021



Step6:-Connect the Native Bayes and Classification Tree to Prediction

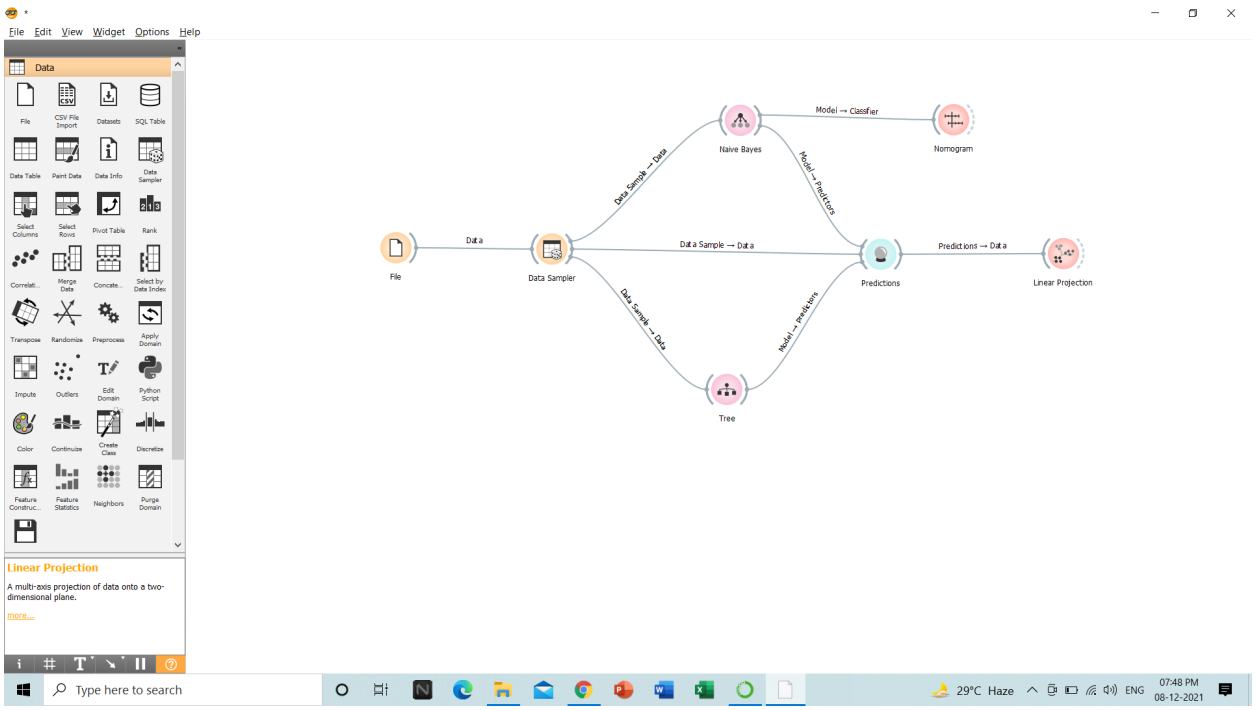


Step7:-Double click on the prediction and you will the data attributes by seeing this input from hair feathers eggs milk and so on



Step8:-There are different ways to visualize the data on the left side of the screen you can scroll down and you will see the visualize step so you click on the tab and you will see several regions that you can use to visualize the data like scatter plot,linear projection etc.

For this example we are going to use linear projection.



Step9:-Double click on the linear projection and you can the different classes of zoo animal.