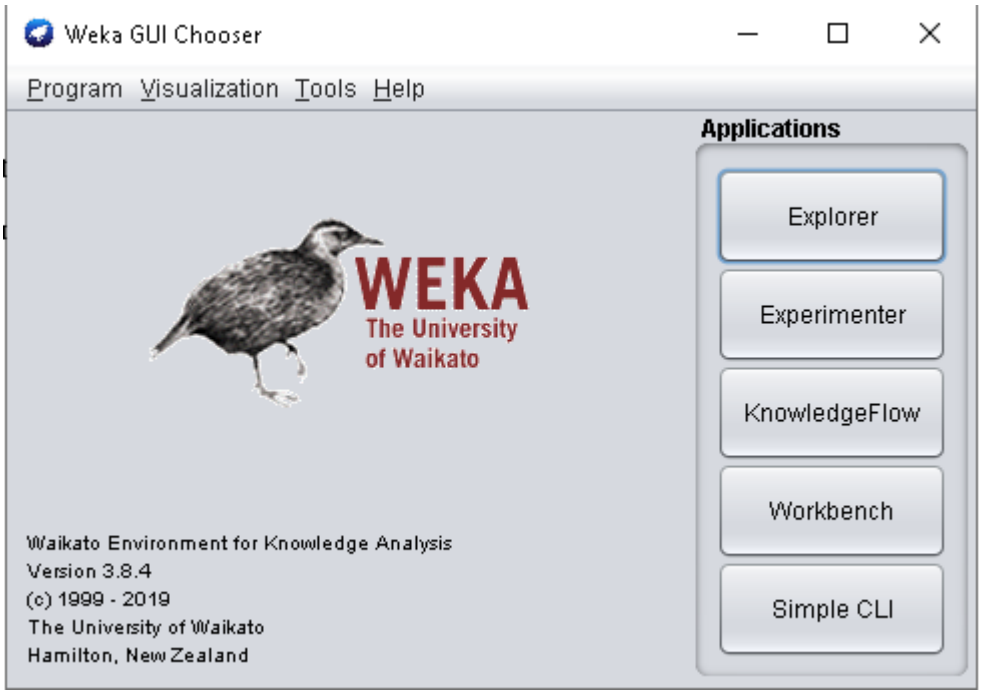
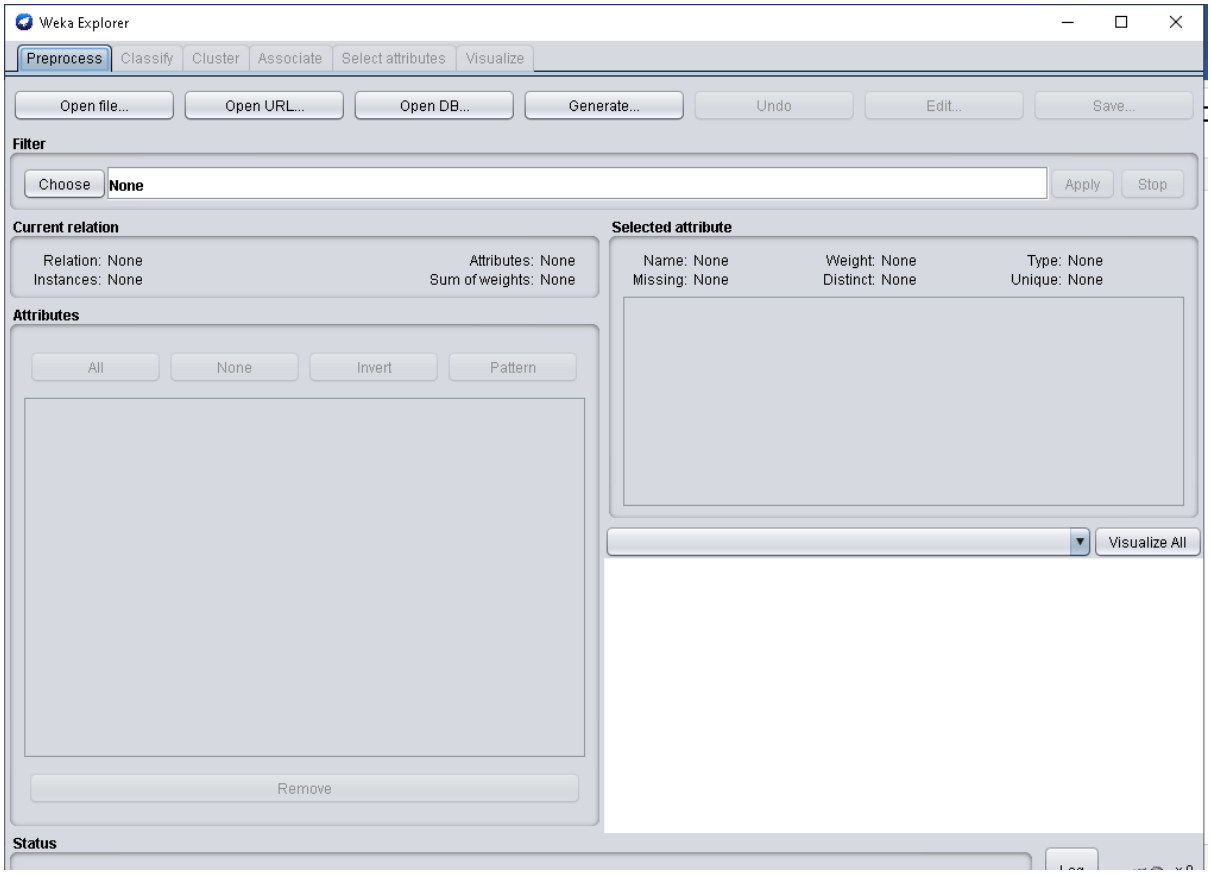
Practical – 6

AIM : To perform hand on experiments with sample data sets on weka.

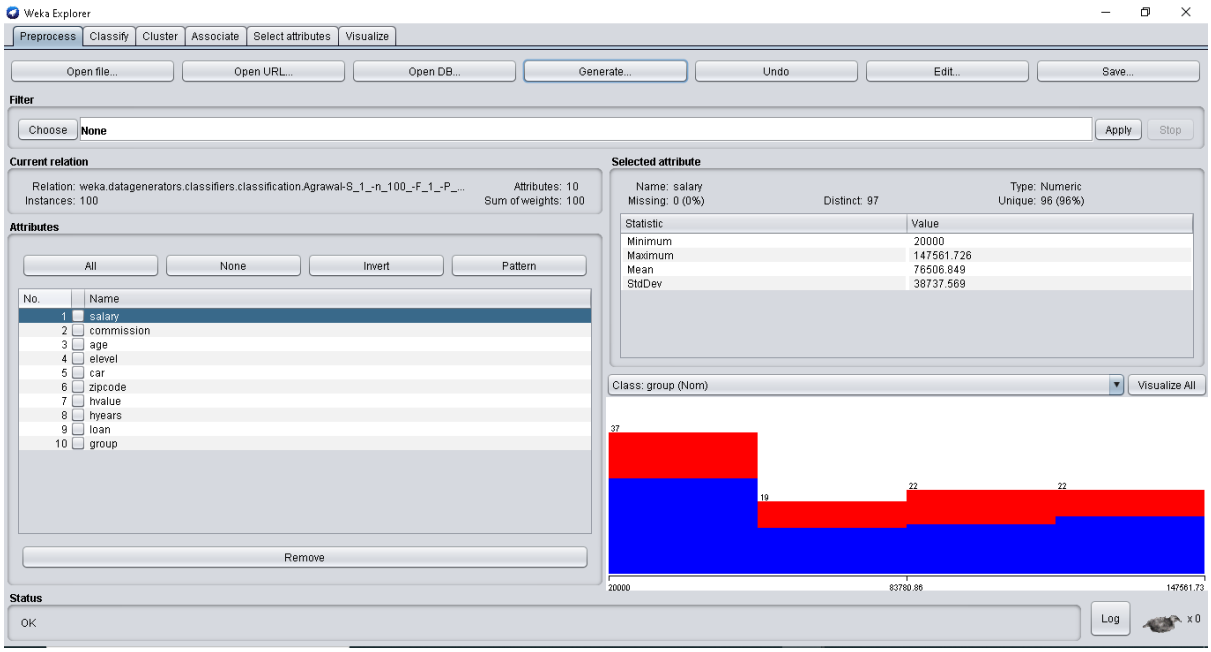
Step 1: Open tool.



Step 2: Click on Explorer button.

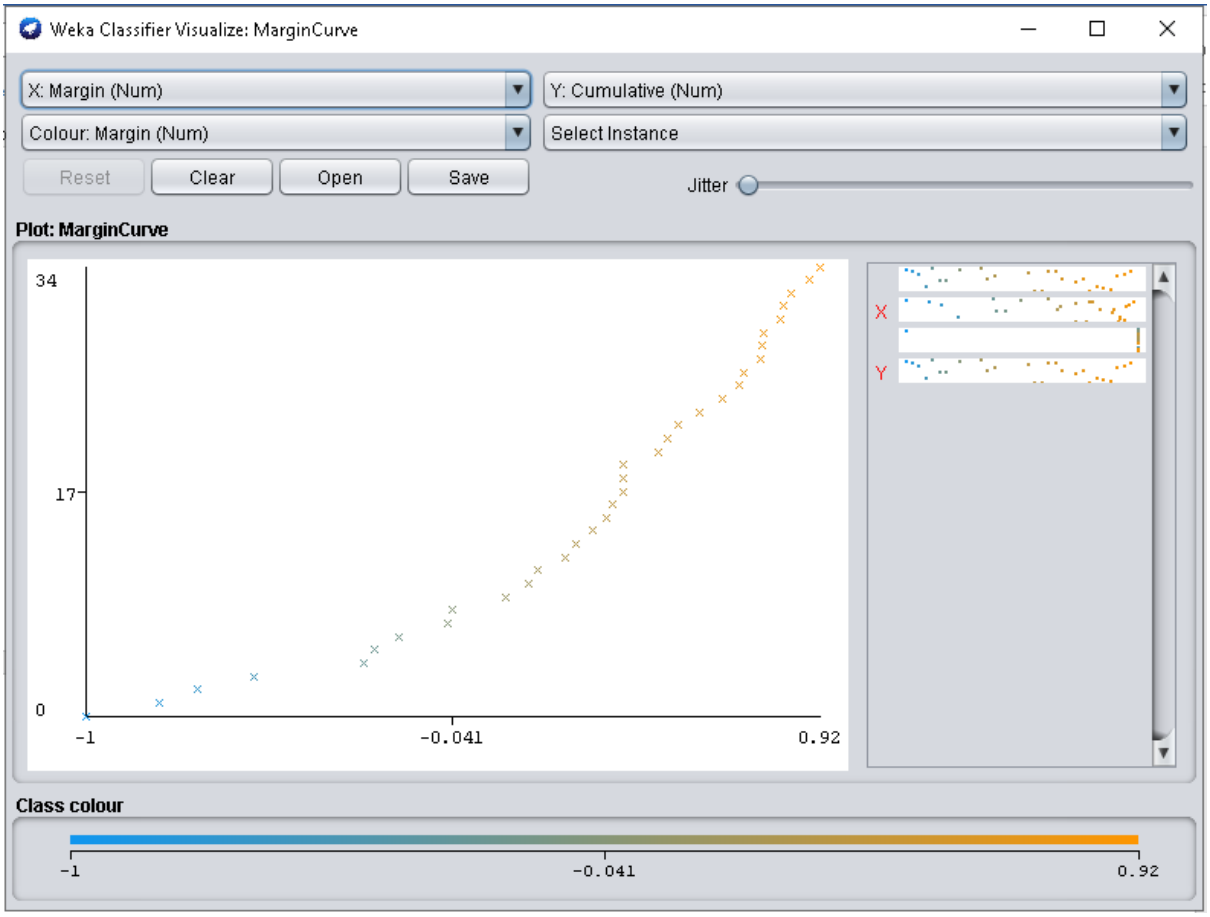


Step 3: To import dataset click on Open file button. I have generated datasets from generator button.

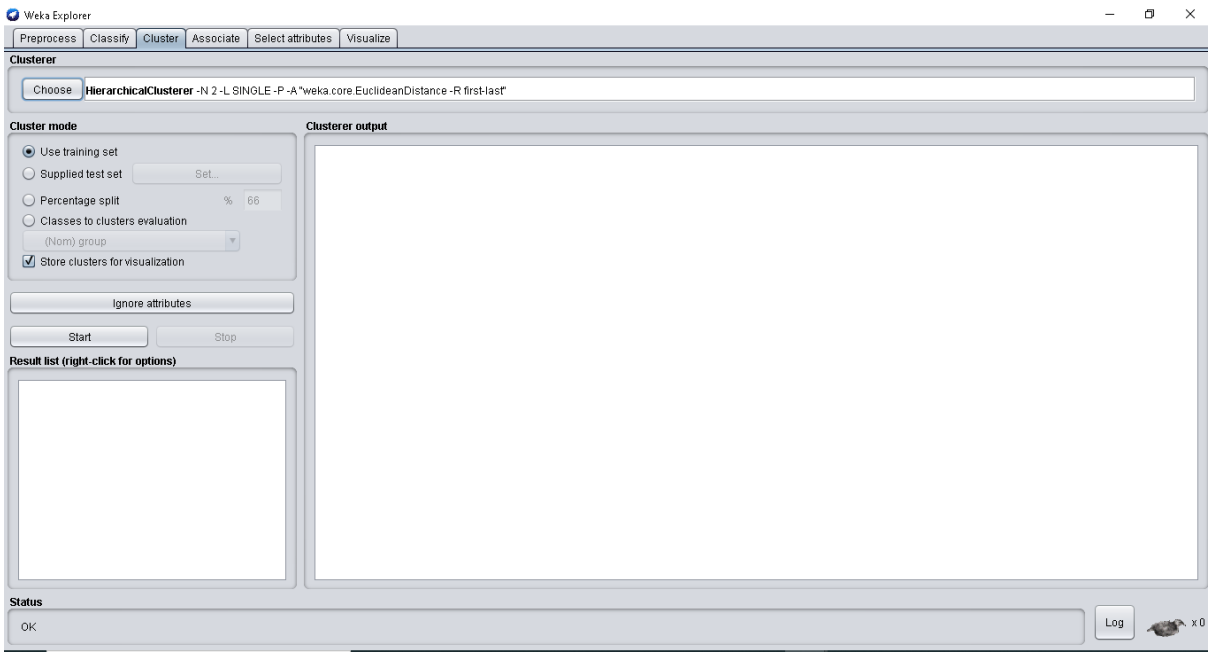


Step 4: Use classification algorithm on this dataset here random forest is used and click on start button.

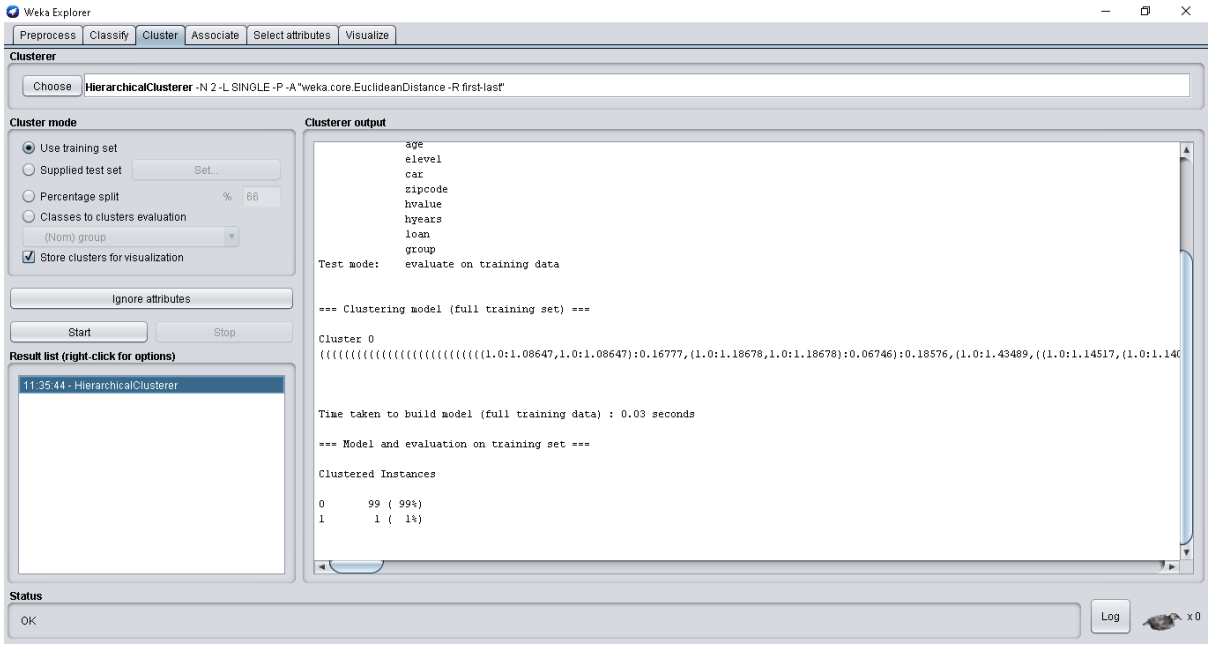
Step 5: Right click on trees.randomforest and select visualize margin curve.



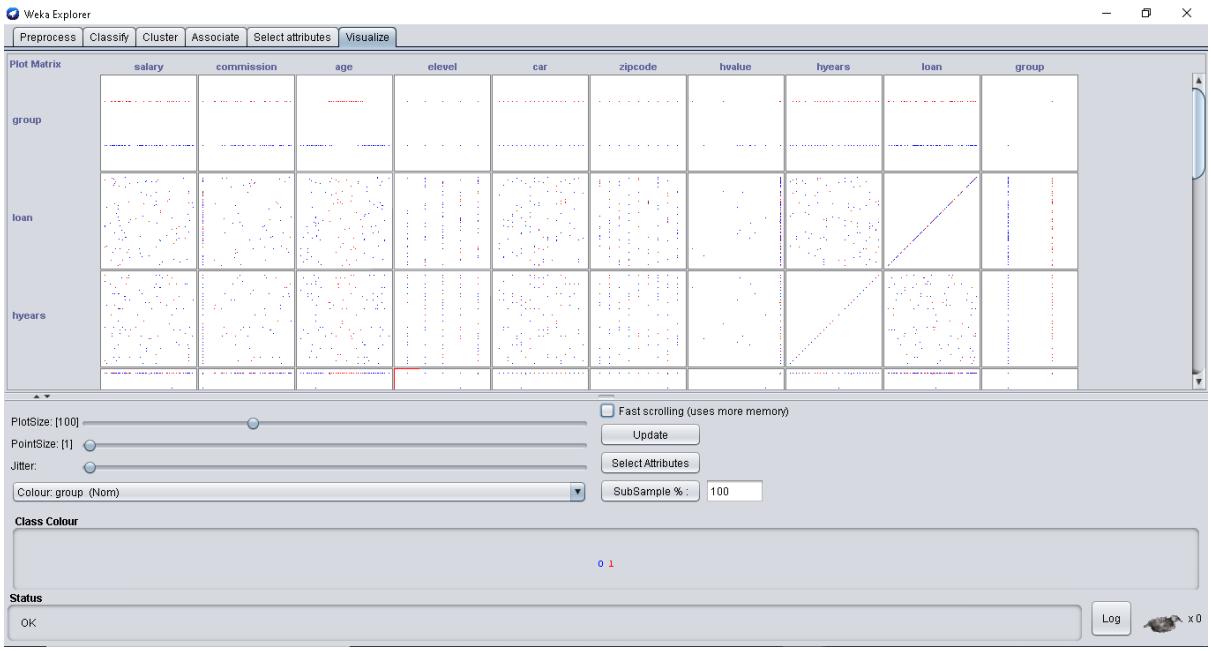
Step 6: we can use clustering algorithm in this tool here Hierarchical cluster is used.

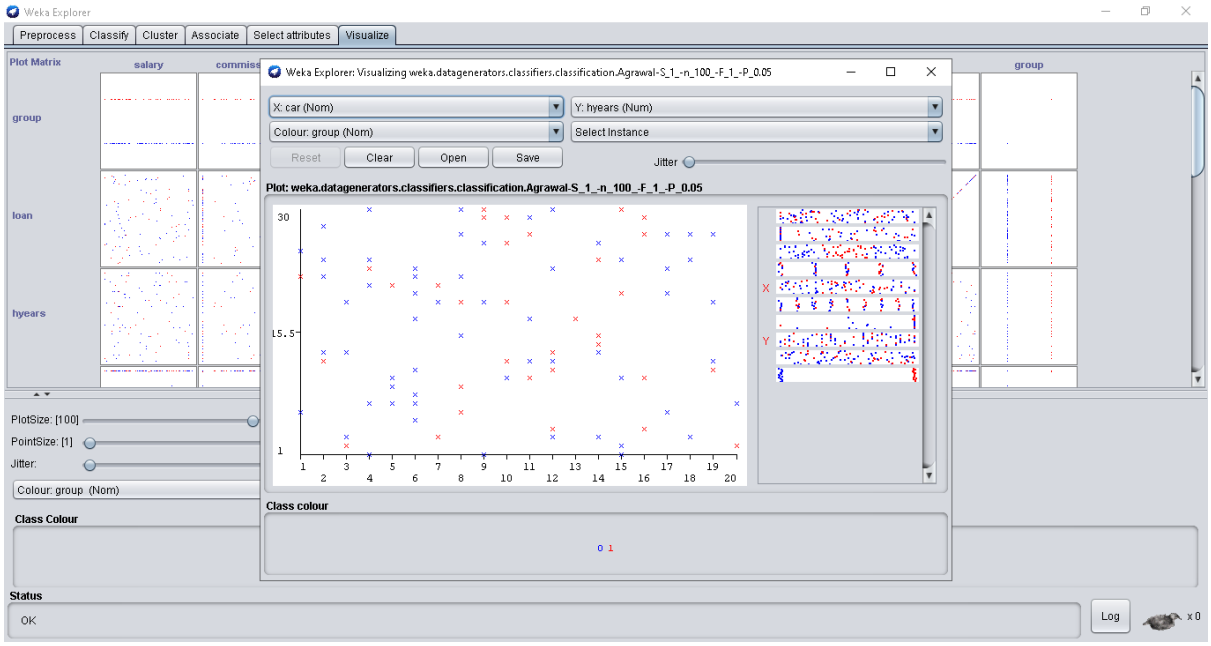


Step 7: click on start.



Step 8:You can also visualize data.




Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Plot Matrix
salary
group
loan
hyears
Weka Explorer: Visualizing weka.datagenerators.classifiers.classification.Agrawal-S_1_-n_100_-F_1_-P_0.05
X: car (Nom)
Y: hyears (Num)
Colour: group (Nom)
Select Instance
Reset
Clear
Open
Save
Jitter
Plot: weka.datagenerators.classifiers.classification.Agrawal-S_1_-n_100_-F_1_-P_0.05
30
15.5
1
1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20
Class colour
0 1
PlotSize: [100]
PointSize: [1]
Jitter:
Colour: group (Nom)
Class Colour
Status
OK
Log
x 0