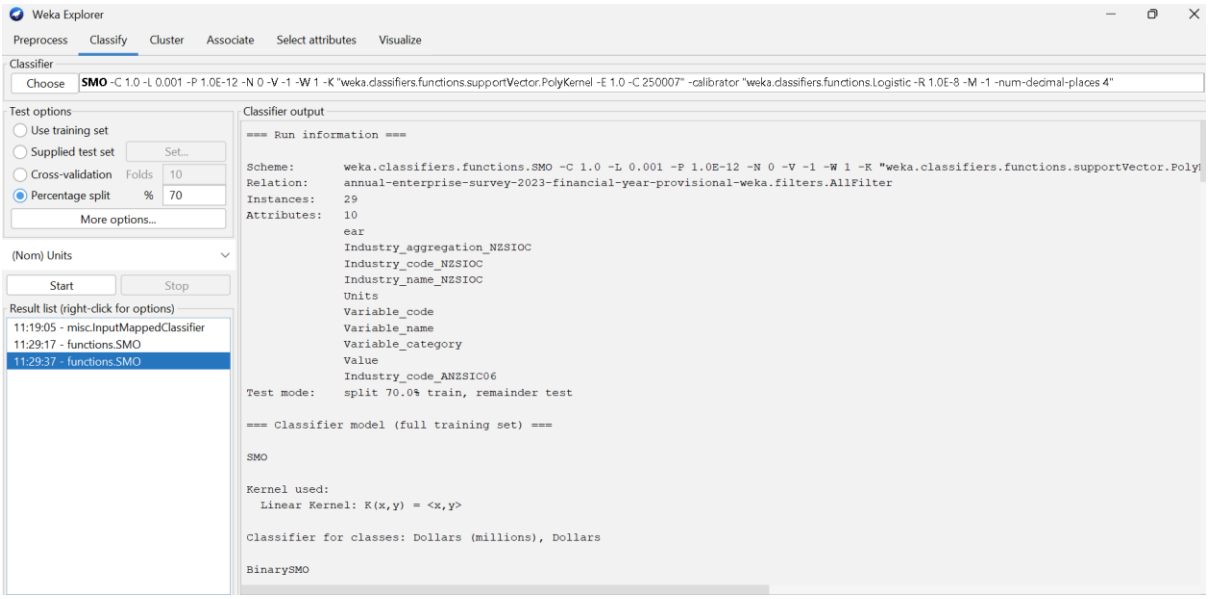
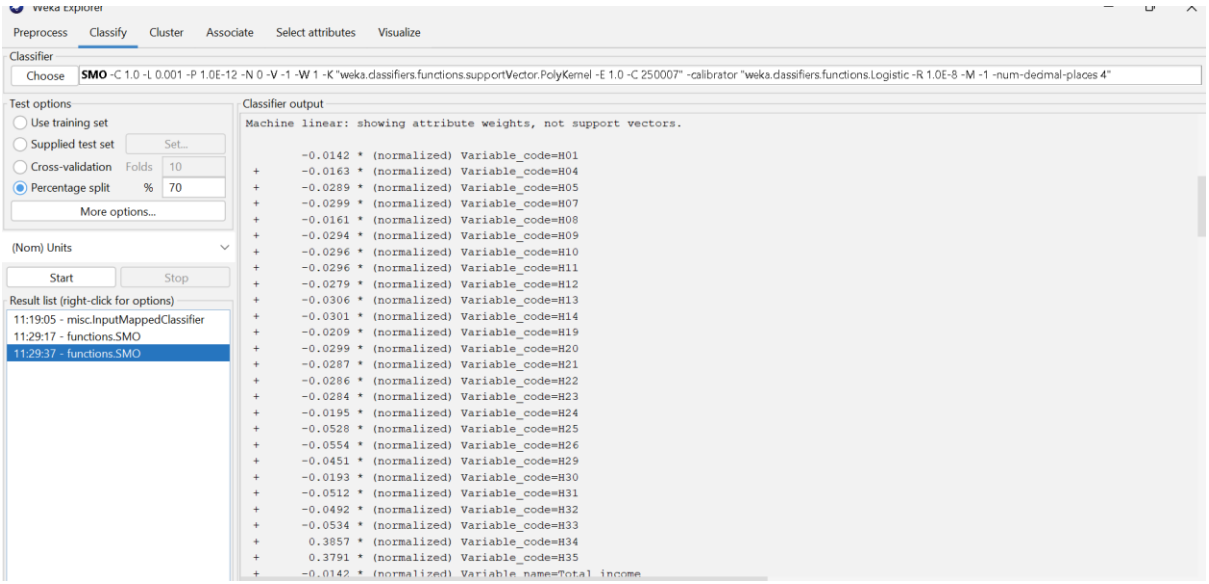
NAME: ADITYA AMIT UMRE

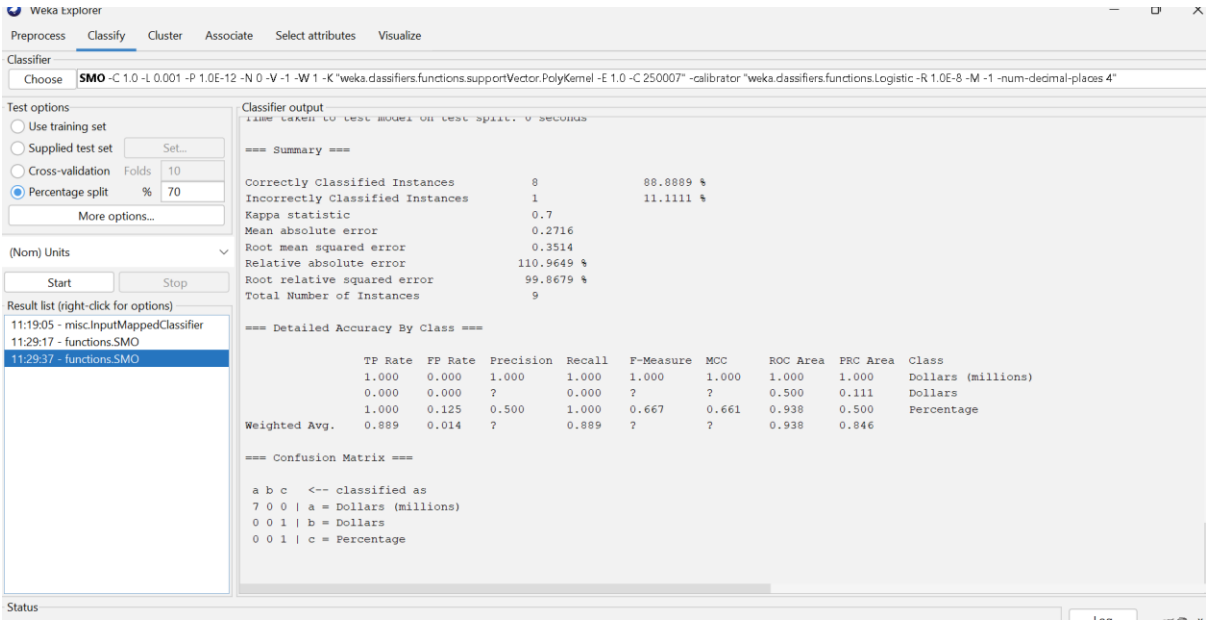
SAP ID : 500119499

AIML LAB EXPERIMENT 2






Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Classifier
Choose
SMO -C 1.0 -L 0.001 -P 1.0E-12 -N 0 -V -1 -W 1 -K "weka.classifiers.functions.supportVector.PolyKernel -E 1.0 -C 250007" -calibrator "weka.classifiers.functions.Logistic -R 1.0E-8 -M
Test options
Use training set
Supplied test set
Set...
Cross-validation
Folds
10
Percentage split
%
70
More options...
(Nom) Units
Start
Stop
Result list (right-click for options)
11:19:05 - misc.InputMappedClassifier
11:29:17 - functions.SMO
11:29:37 - functions.SMO
Classifier output
+ -0.0296 * (normalized) Variable_name=Indirect taxes
+ -0.0296 * (normalized) Variable_name=Depreciation
+ -0.0279 * (normalized) Variable_name=Salaries and wages paid
+ -0.0306 * (normalized) Variable_name=Redundancy and severance
+ -0.0301 * (normalized) Variable_name=Salaries and wages to self employed commission agents
+ -0.0209 * (normalized) Variable_name=Purchases and other operating expenses
+ -0.0299 * (normalized) Variable_name=Non-operating expenses
+ -0.0287 * (normalized) Variable_name=Opening stocks
+ -0.0286 * (normalized) Variable_name=Closing stocks
+ -0.0284 * (normalized) Variable_name=Surplus before income tax
+ -0.0195 * (normalized) Variable_name=Total assets
+ -0.0528 * (normalized) Variable_name=Current assets
+ -0.0554 * (normalized) Variable_name=Fixed tangible assets
+ -0.0451 * (normalized) Variable_name=Other assets
+ -0.0193 * (normalized) Variable_name=Total equity and liabilities
+ -0.0512 * (normalized) Variable_name=Shareholders funds or owners equity


Weka Explorer
Preprocess
Classify
Cluster
Associate
Select attributes
Visualize
Classifier
Choose
SMO -C 1.0 -L 0.001 -P 1.0E-12 -N 0 -V -1 -W 1 -K "weka.classifiers.functions.supportVector.PolyKernel -E 1.0 -C 250007" -calibrator "weka.classifiers.functions.Logistic -R 1.0E-8 -M -1 -num-decimal-places 4"
Test options
Use training set
Supplied test set
Set...
Cross-validation
Folds
10
Percentage split
%
70
More options...
(Nom) Units
Start
Stop
Result list (right-click for options)
11:19:05 - misc.InputMappedClassifier
11:29:17 - functions.SMO
11:29:37 - functions.SMO
Classifier output
Time taken to test model on test split: 0 seconds
=== Summary ===
Correctly Classified Instances 8 88.8889 %
Incorrectly Classified Instances 1 11.1111 %
Kappa statistic 0.7
Mean absolute error 0.2716
Root mean squared error 0.3514
Relative absolute error 110.9649 %
Root relative squared error 99.8679 %
Total Number of Instances 9
=== Detailed Accuracy By Class ===
TP Rate FP Rate Precision Recall F-Measure MCC ROC Area PRC Area Class
1.000 0.000 1.000 1.000 1.000 1.000 1.000 1.000 Dollars (millions)
0.000 0.000 ? 0.000 ? ? 0.500 0.111 Dollars
1.000 0.125 0.500 1.000 0.667 0.661 0.938 0.500 Percentage
Weighted Avg. 0.889 0.014 ? 0.889 ? ? 0.938 0.846
=== Confusion Matrix ===
a b c <-- classified as
7 0 0 | a = Dollars (millions)
0 0 1 | b = Dollars
0 0 1 | c = Percentage
Status