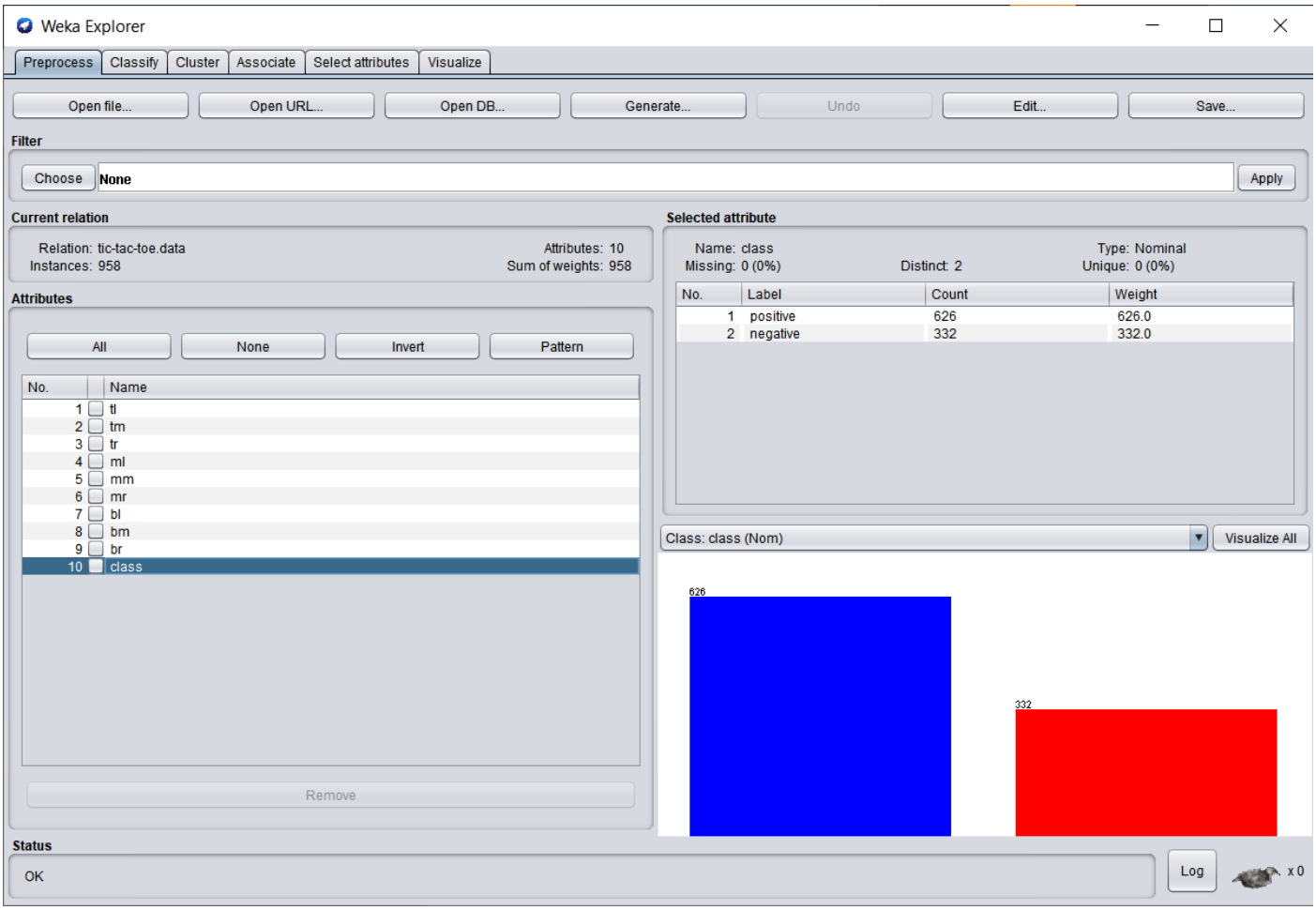
LAB – 02

Illustrate a classification algorithm, a clustering algorithm and a regression algorithm using Weka Tool. Evaluate suitable performance metrics.

Dataset:-

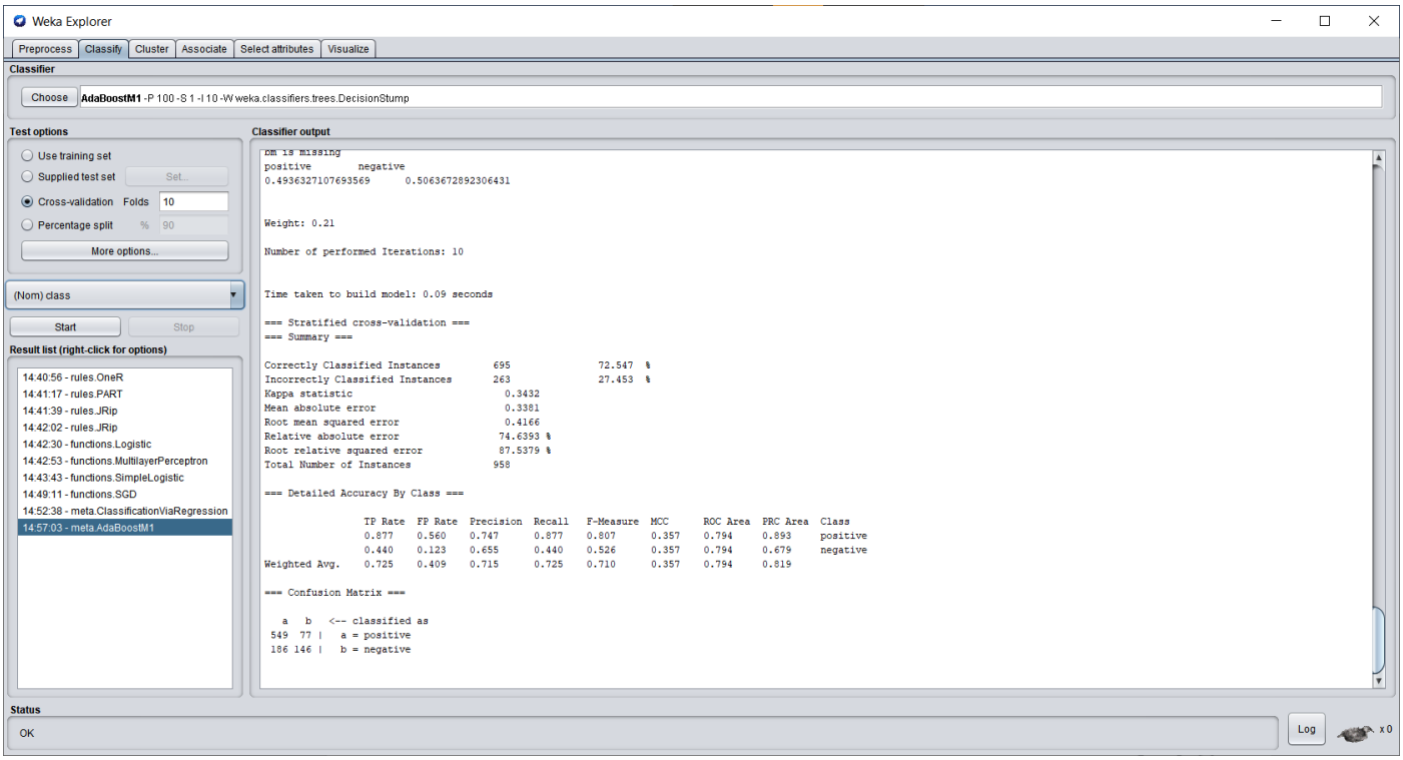
Index of /ml/machine-learning-databases/tic-tac-toe (uci.edu)

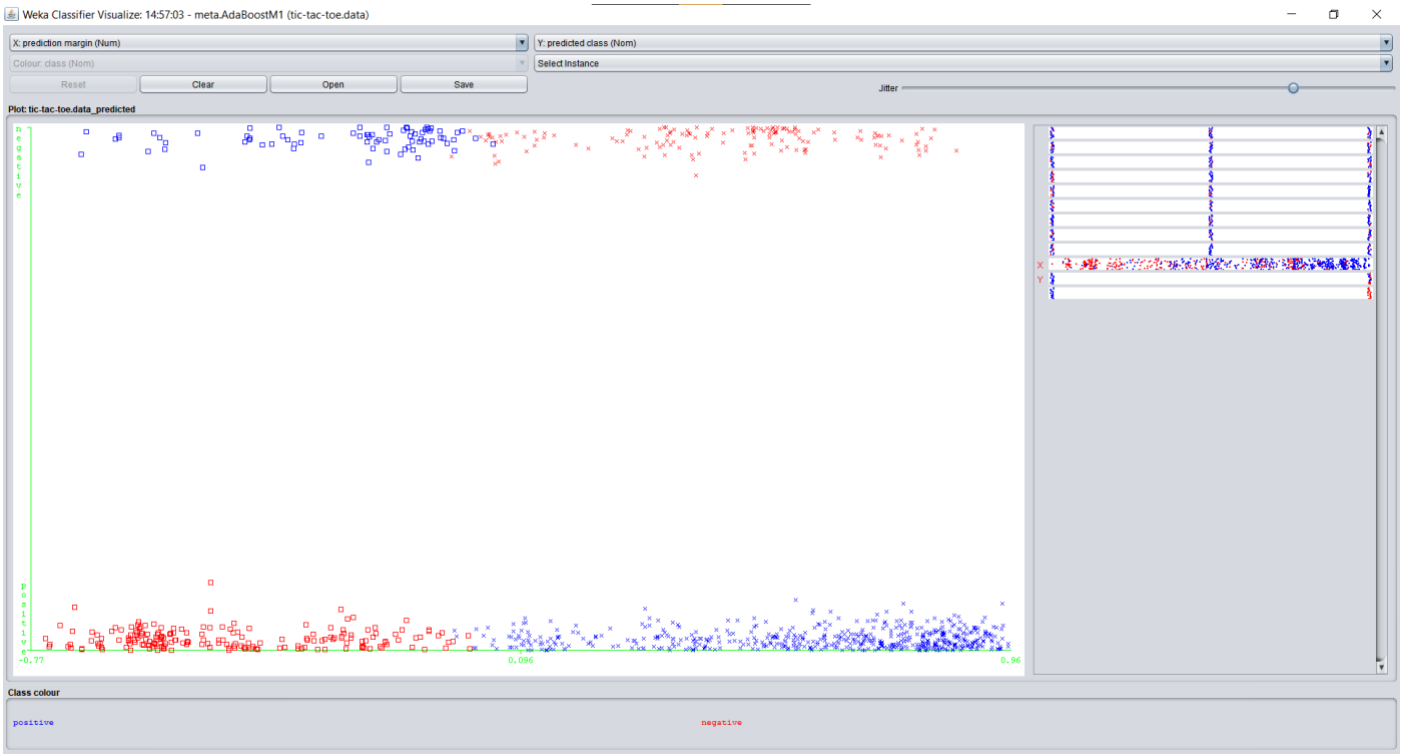
Preprocess:-



Algorithms:-

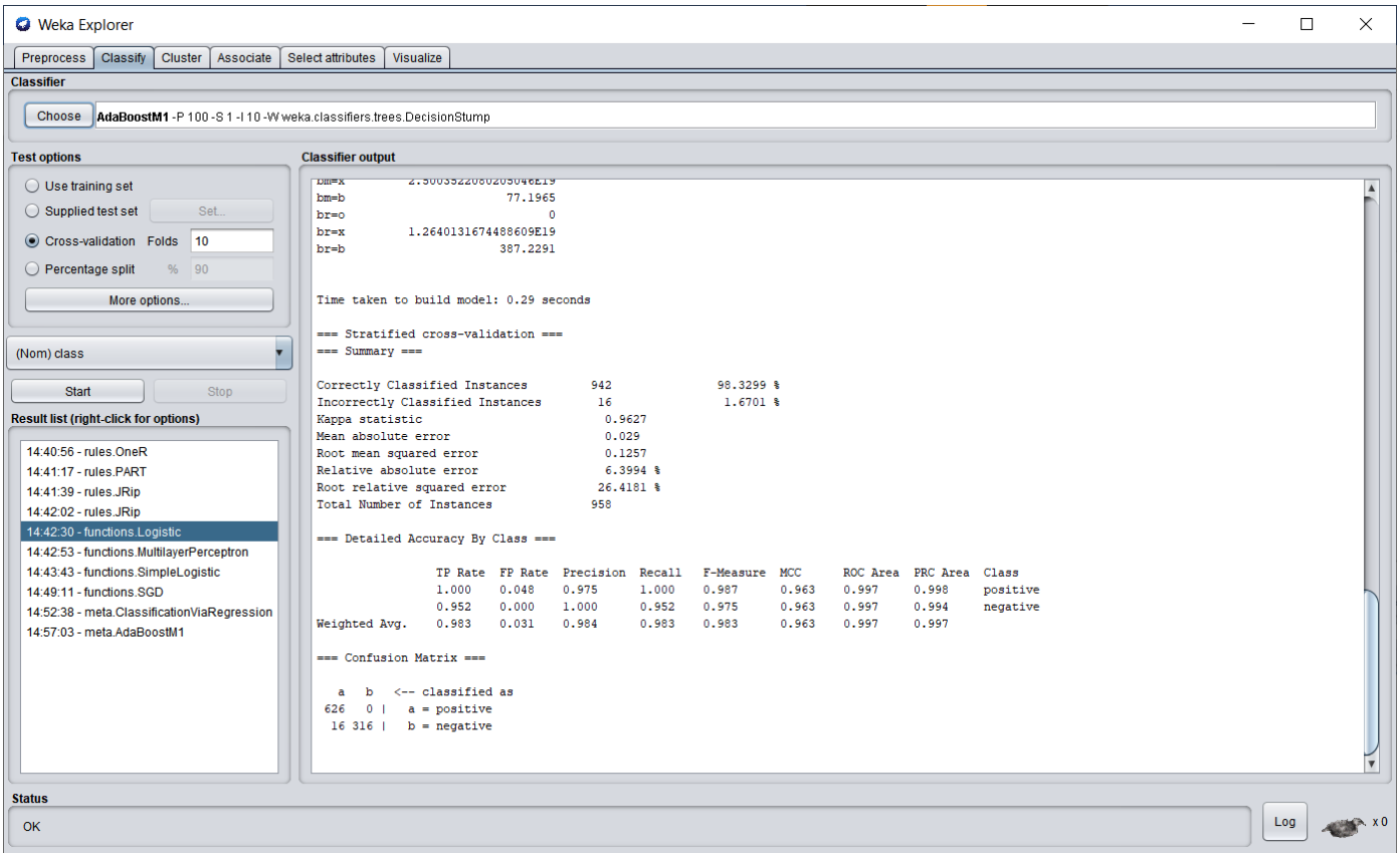
1. **AdaBoostM1 (Classifier)**

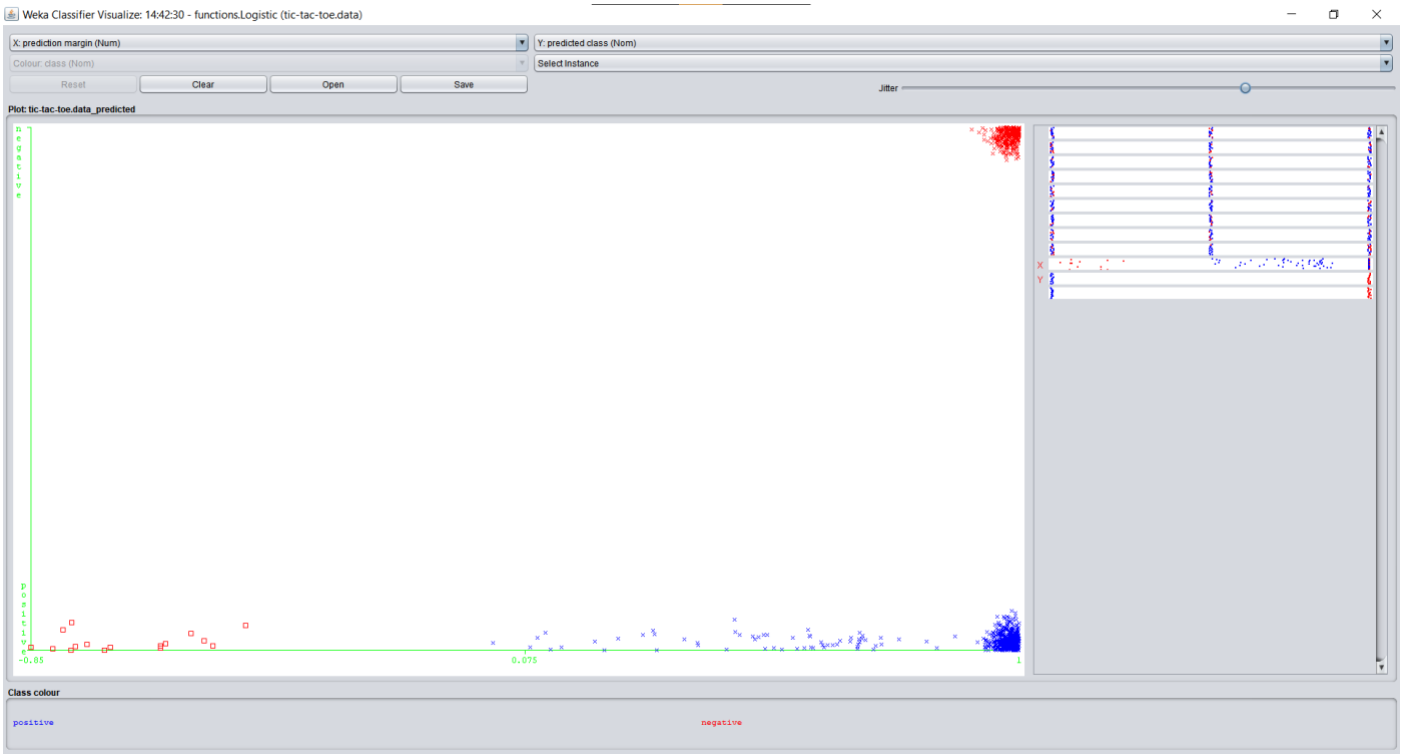




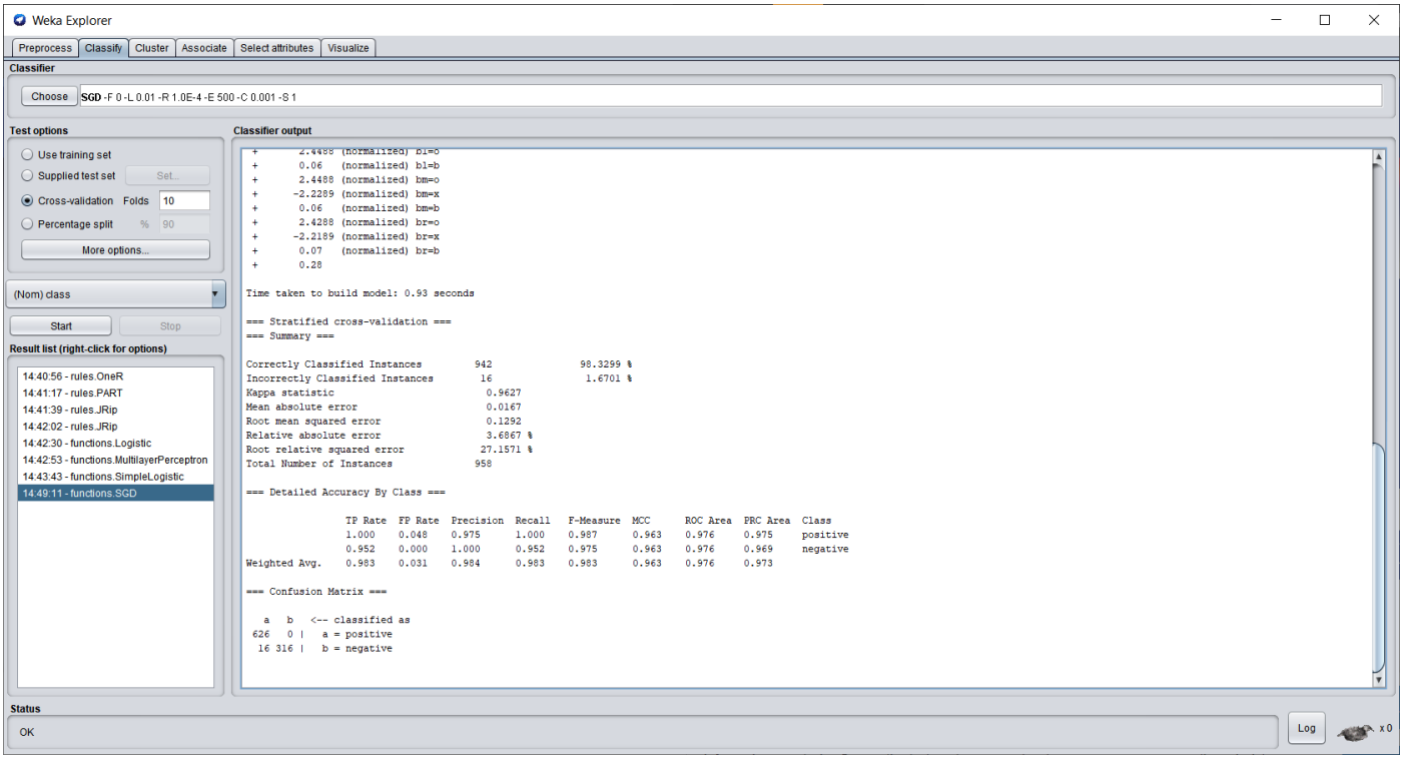
The model was quick to compile but very bad at the actual classification, as can be viewed from the confusion matrix.

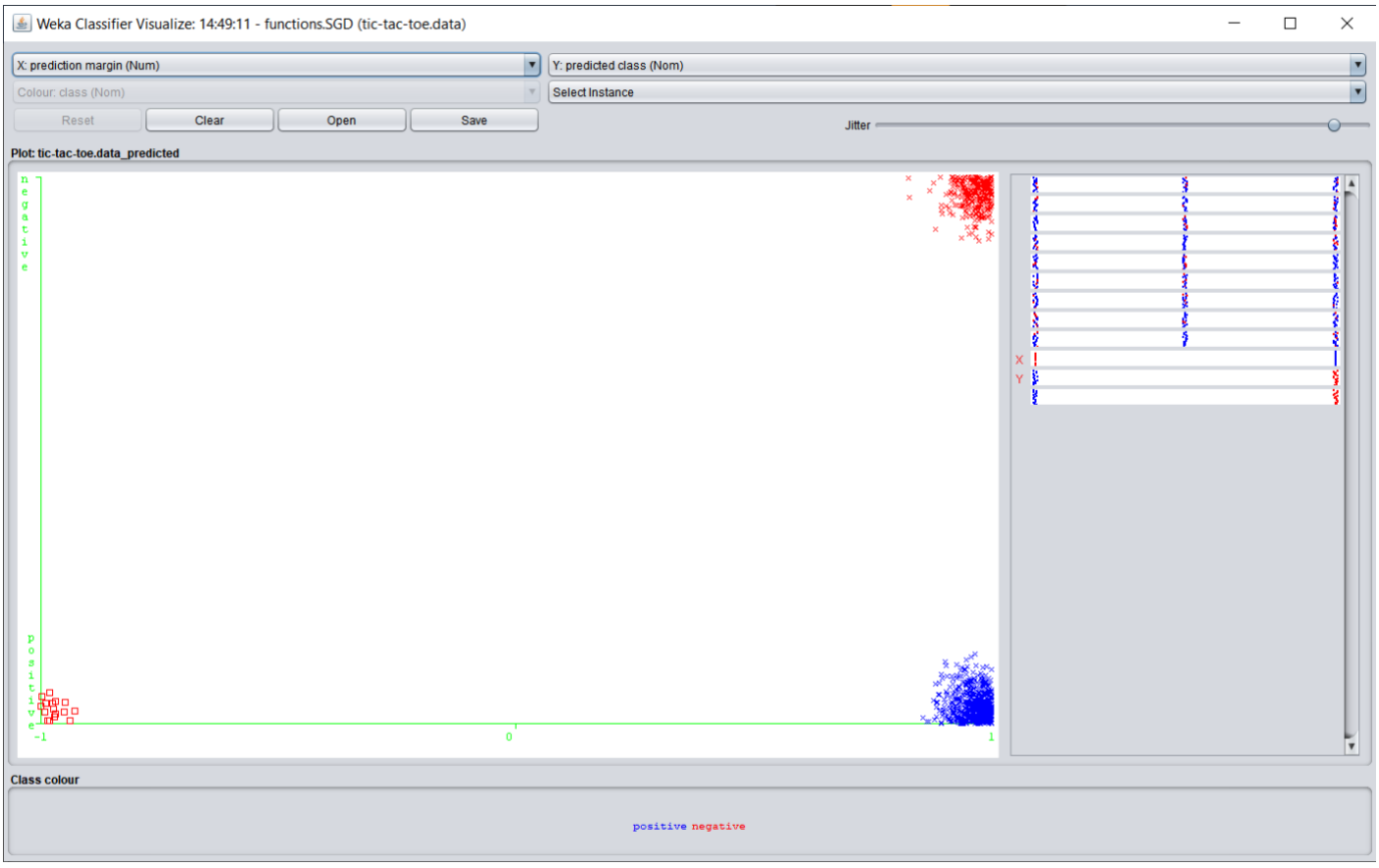
2. Logistic (Regression)



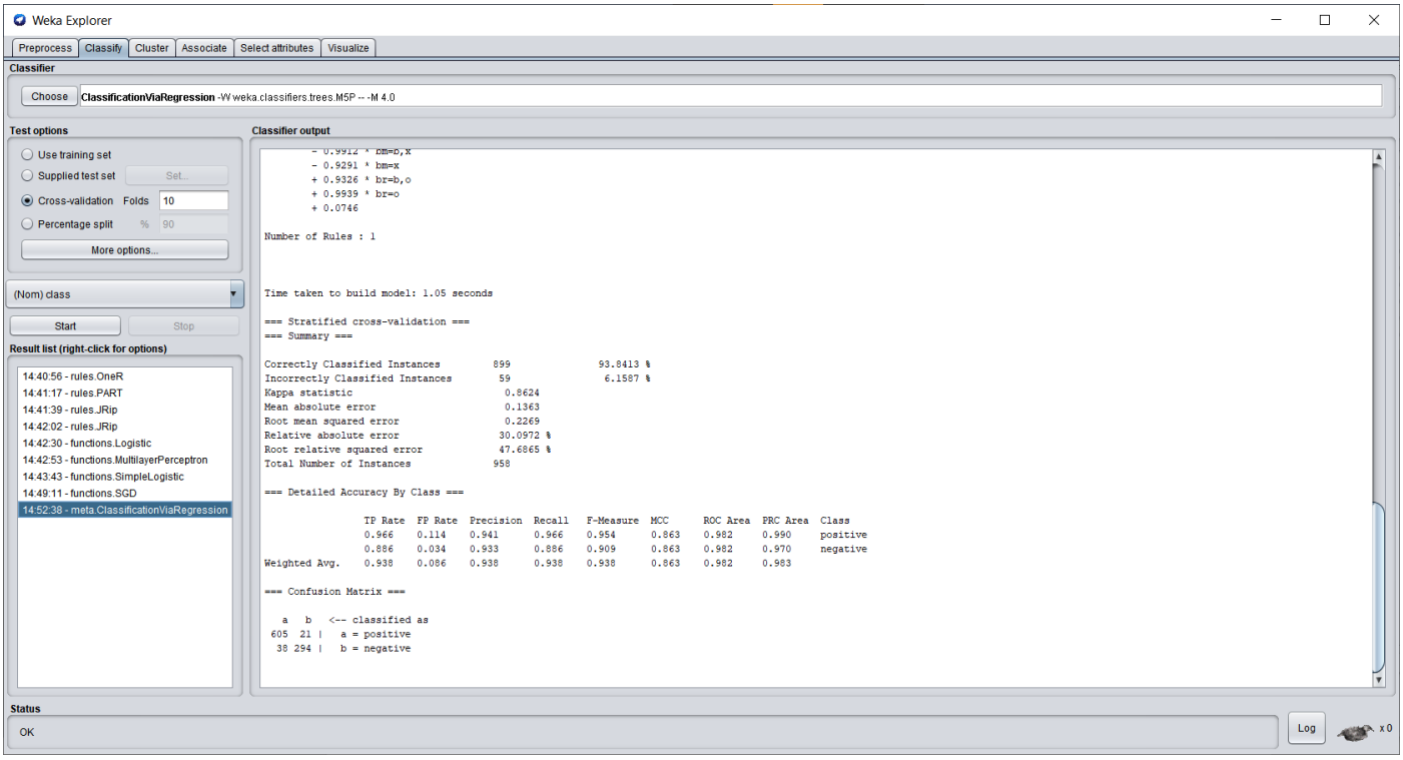


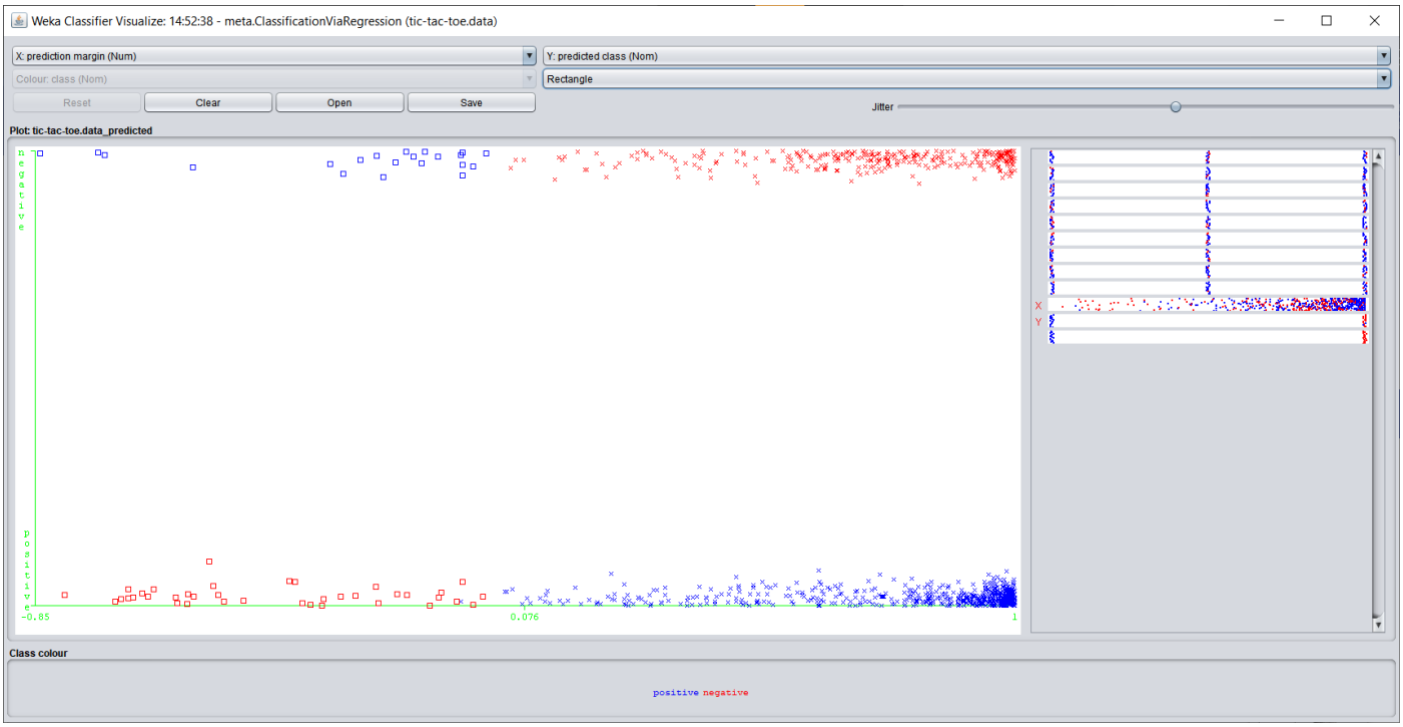
3. Stochastic Gradient Descent





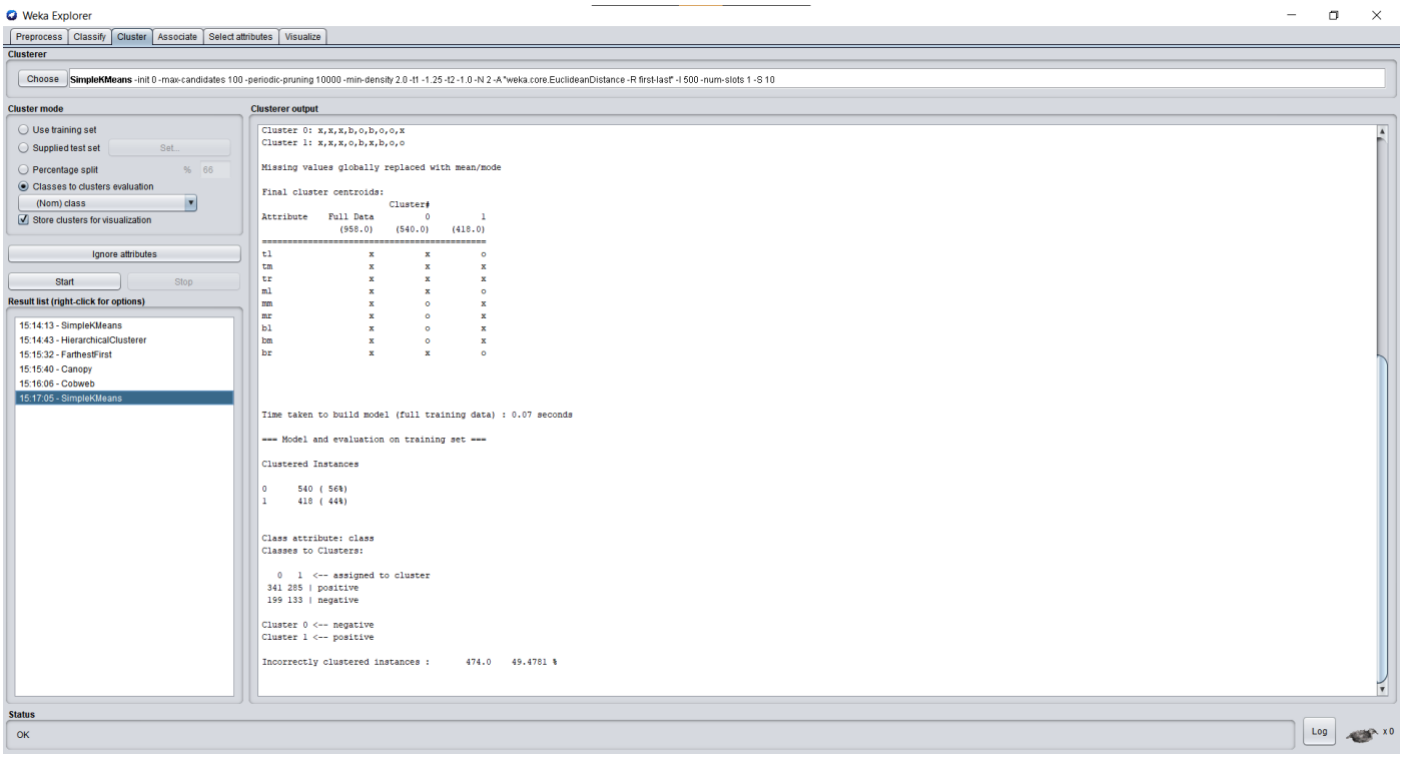
4. Classification via Regression



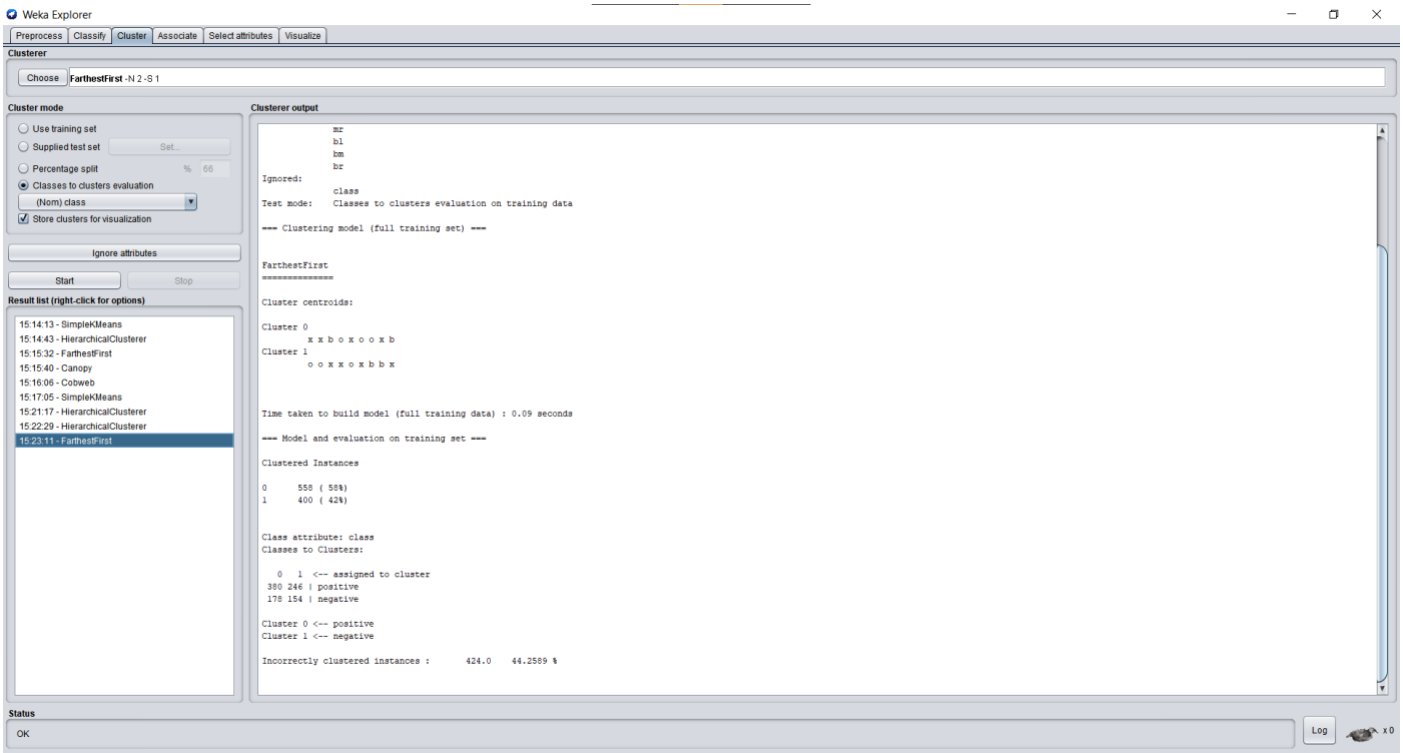


Clustering:-

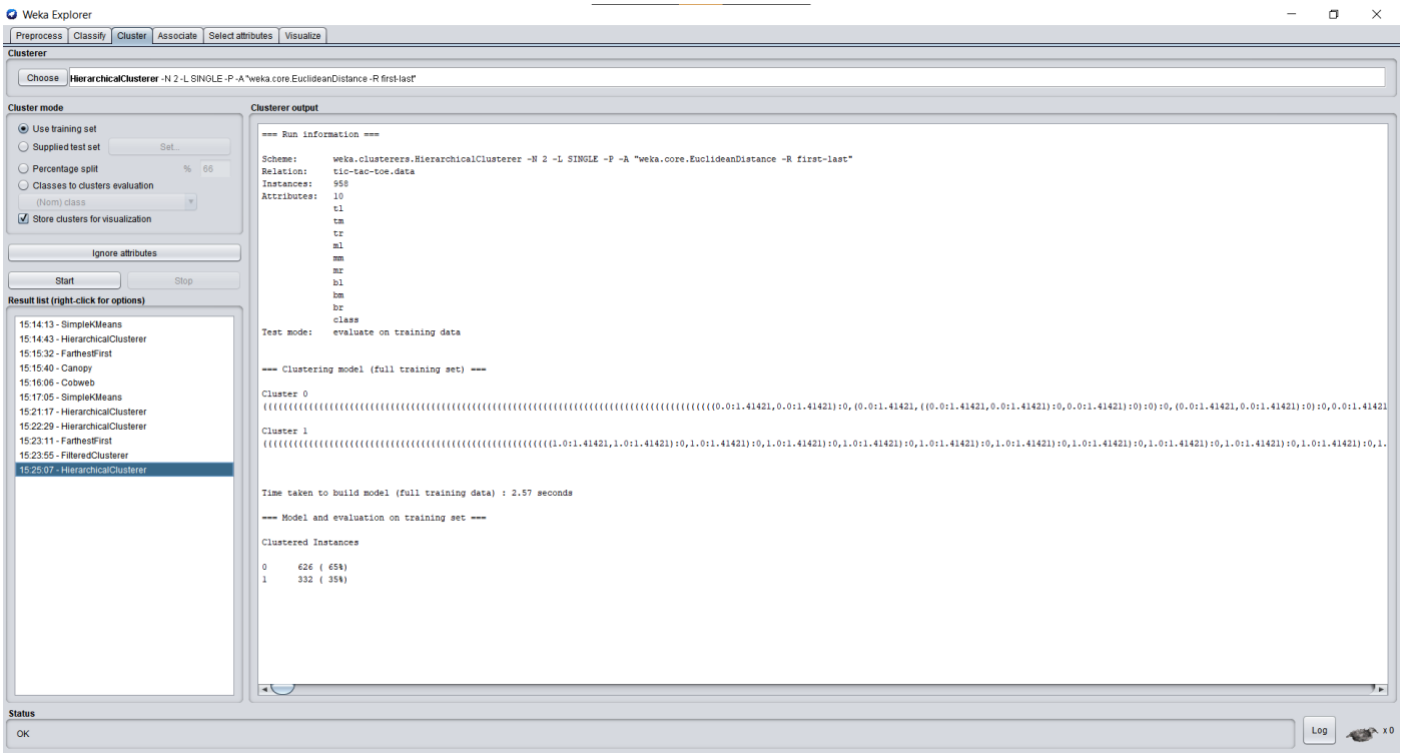
1. Simple K-Means



2. Farthest First



3. Hierarchical Cluster



4. EM