

1) Association rules are useful for analysing and predicting customer behaviour. A contact lens shop maintains a data set with age, spectacle-prescription and contact lenses. Generate association rules by applying apriori algorithm. Predict for an age group of 25-30, what type of spectacle they might purchase.

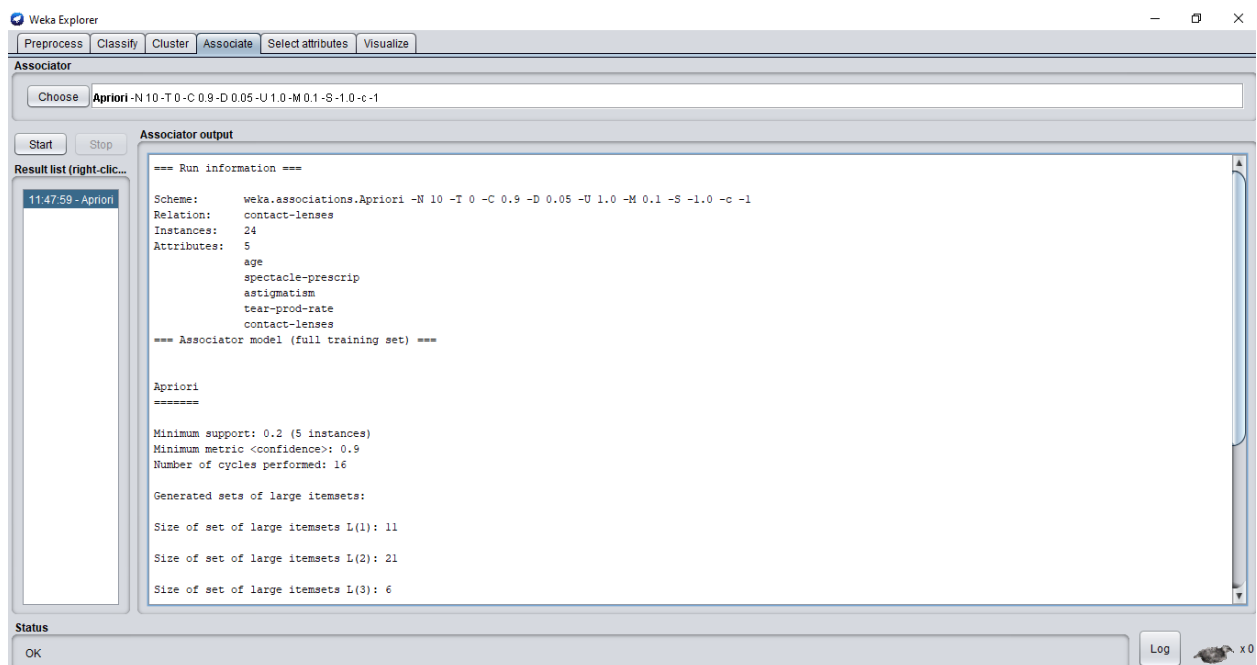
Procedure:

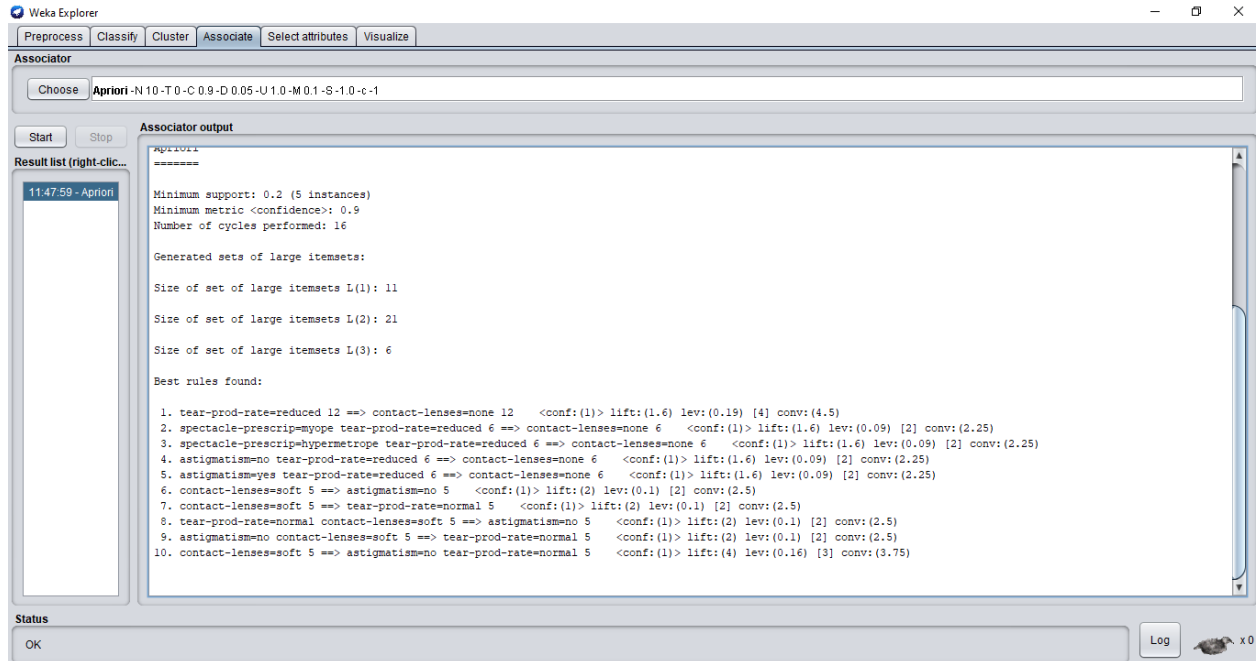
Step1: Open the data file in Weka Explorer. It is presumed that the required data fields have been discretized.

Step2: Clicking on the associate tab will bring up the interface for the association rule algorithm.

Step3: Algorithm used is apriori algorithm. This is the default algorithm.

Step4: Inorder to change the parameters for the run (example support, confidence etc) we click on the text box immediately to the right of the choose button.





2) Given student admission details dataset apply naïve Bayesian classifier for a sample training data set. Compute the accuracy of the classifier, considering few test data sets. Implement using 'R' tool.

Code and Output Screenshots:



