Experiment-3.2

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Aim of the Experiment :

Aim of the Experiment is to finding Association Rules for the Crime data using Apriori Algorithm and perform the result analysis..

Objective of the Experiment :

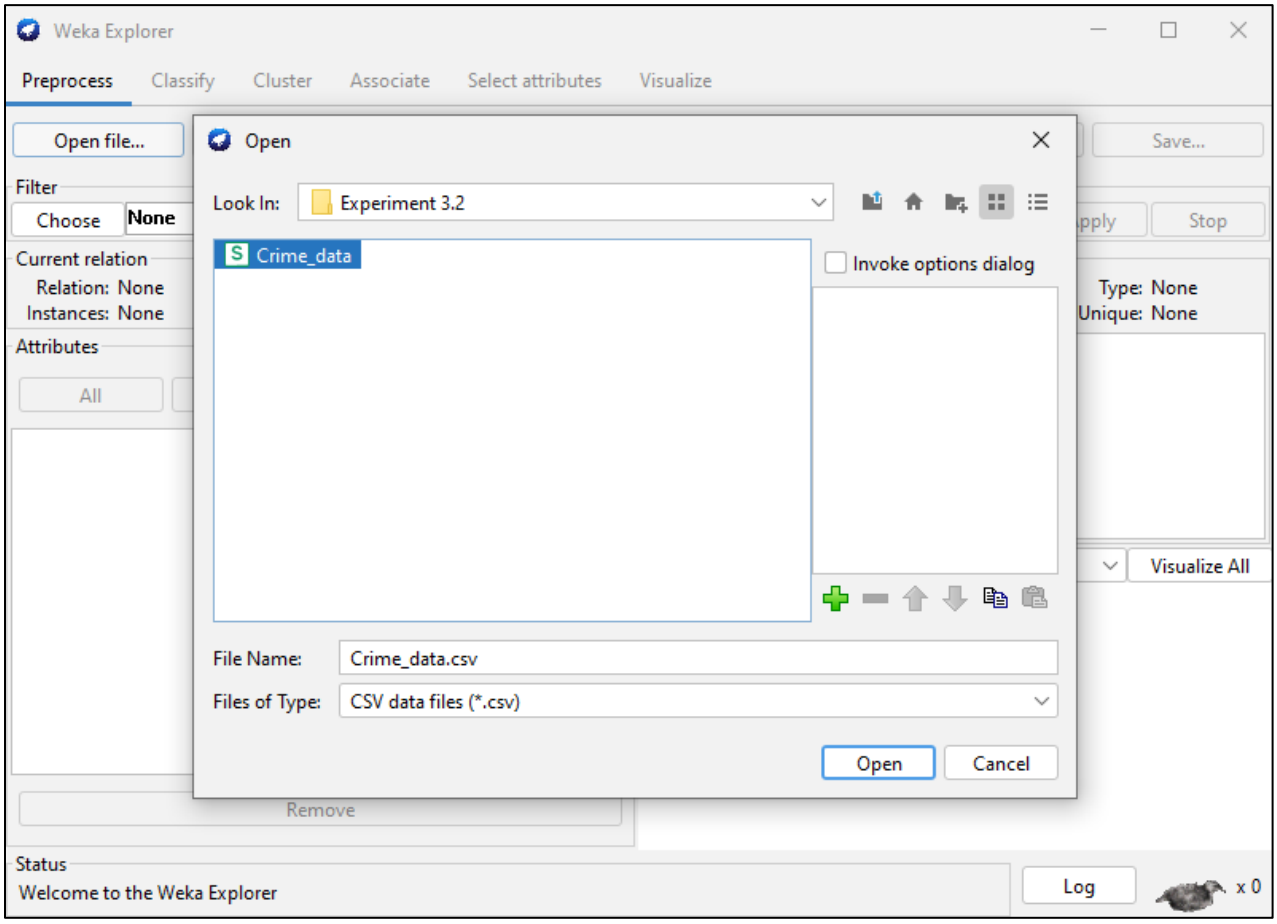
Task to be done for this experiment is that we have to perform Apriori algorithm and perform the result analysis.

Algorithm/ Steps for Experiment :

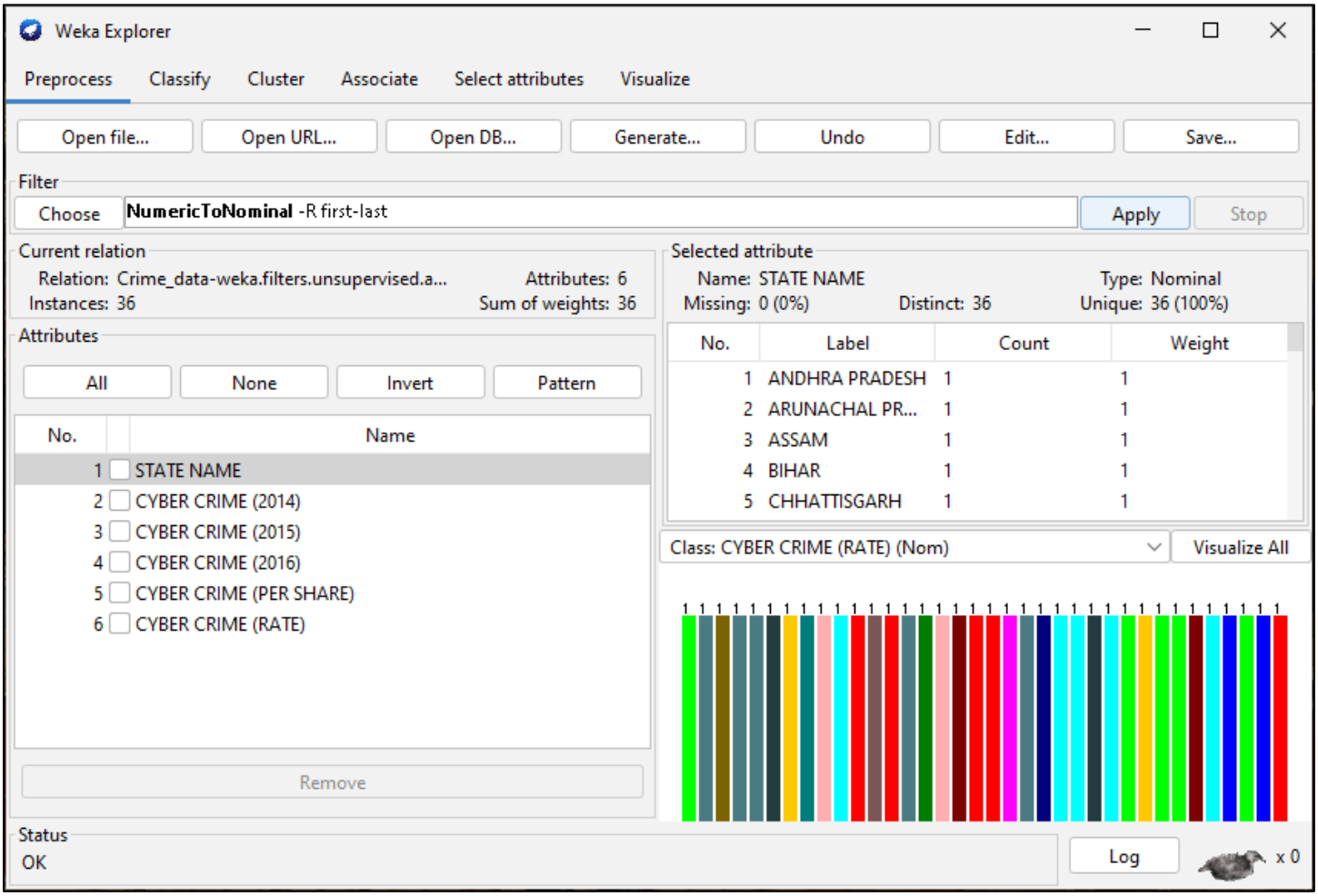
Step 1: Download the Crime dataset from the Kaggle website.

Step 2: Open the WEKA Tool and open the 'Explorer' tab.

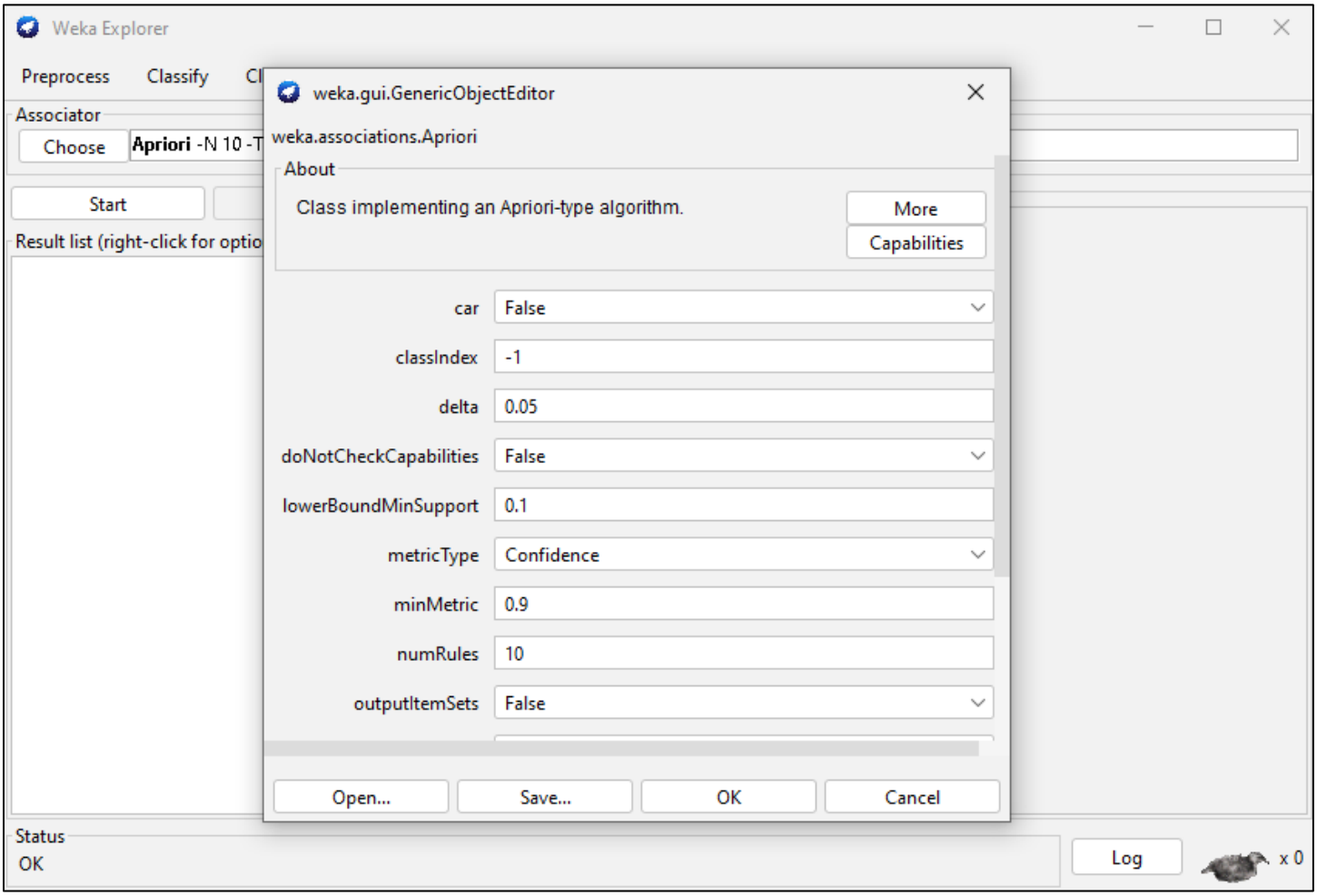
Step 3: Click on the 'Open file' Option >> Select Crime dataset >> Click on Open.



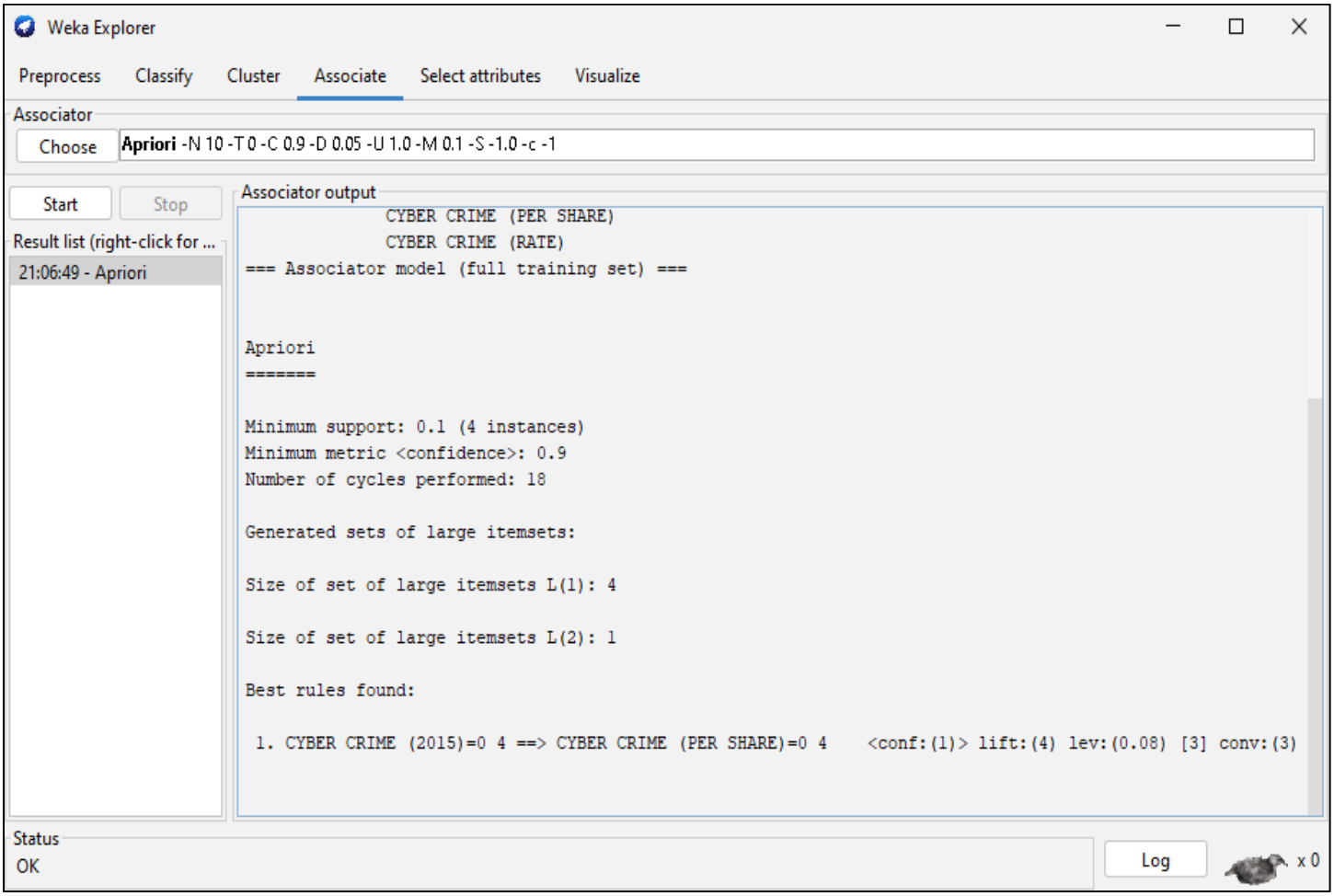
Step 4: Change the dataset from Numeric to Nominal.



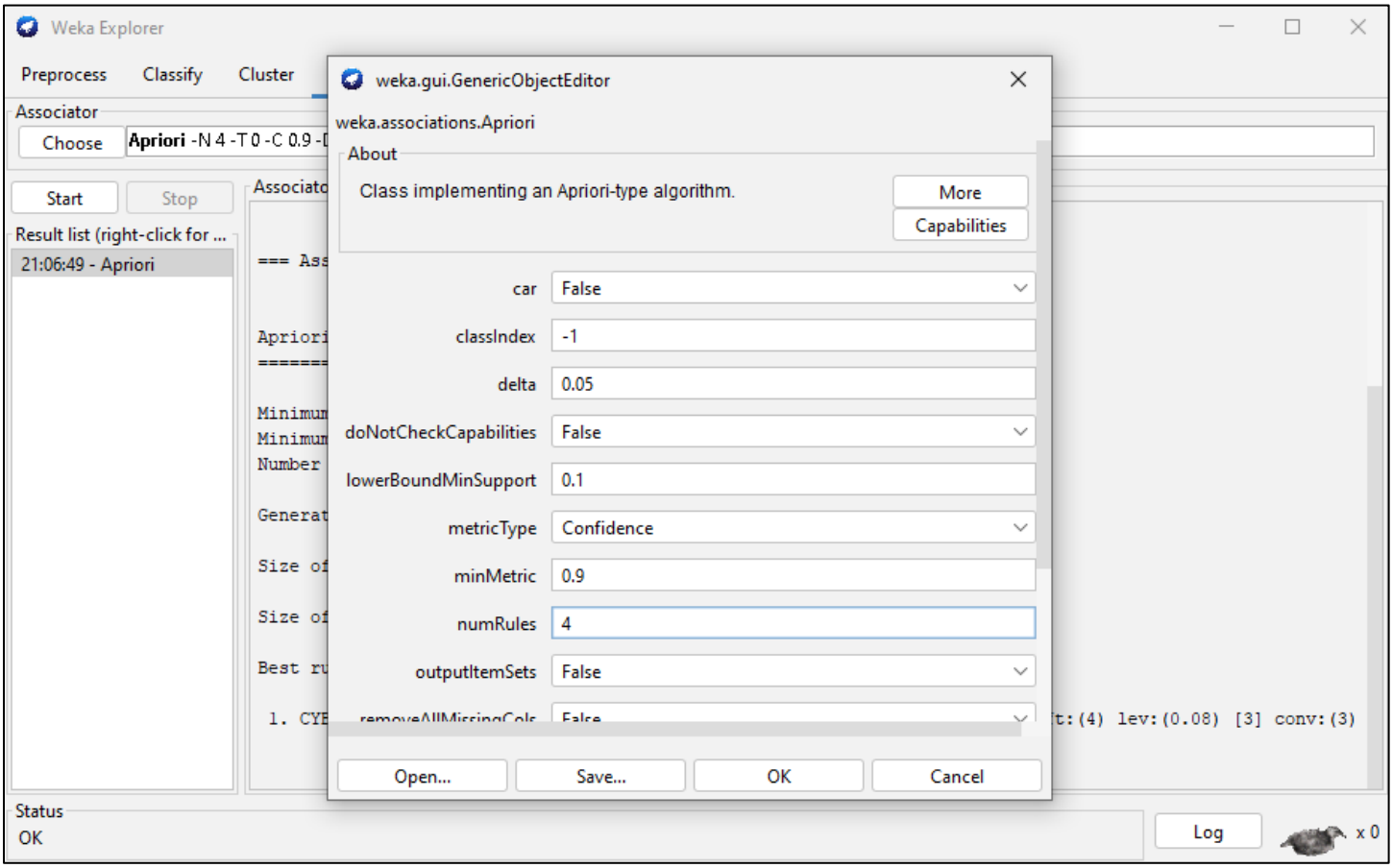
Step 5: Click on the ‘Associate’ Tab >>Choose and select Apriori algorithm from ‘Associator’ Section.



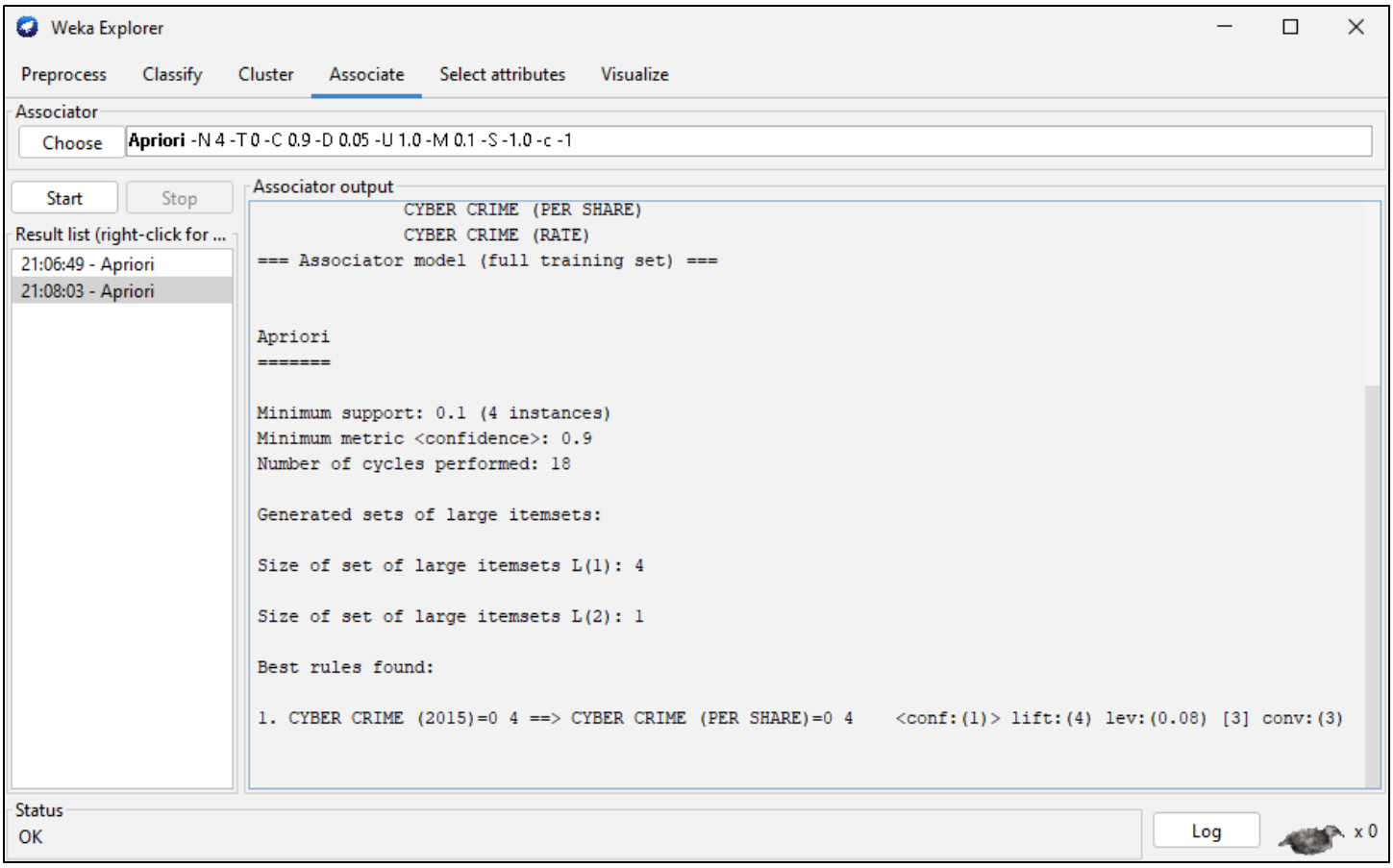
Step 6: Click Start to build the model. Associator output shows the model evaluation parameters.



Step 7: Click on the Apriori algorithm and change numrules from 10 to 4.



Step 8: Click Start to build the model. Associator output shows the model evaluation parameters.



Learning outcomes (What I have learnt):

1. I learnt about the WEKA Tool and its applications.
2. I learnt about how to use Explorer Tab in WEKA Tool.
3. I learnt about how to change attributes from Numeric to Nominal.

4. I learnt about how to perform Apriori algorithm on the dataset.

5. I learnt about how to change numrules in Apriori algorithm.