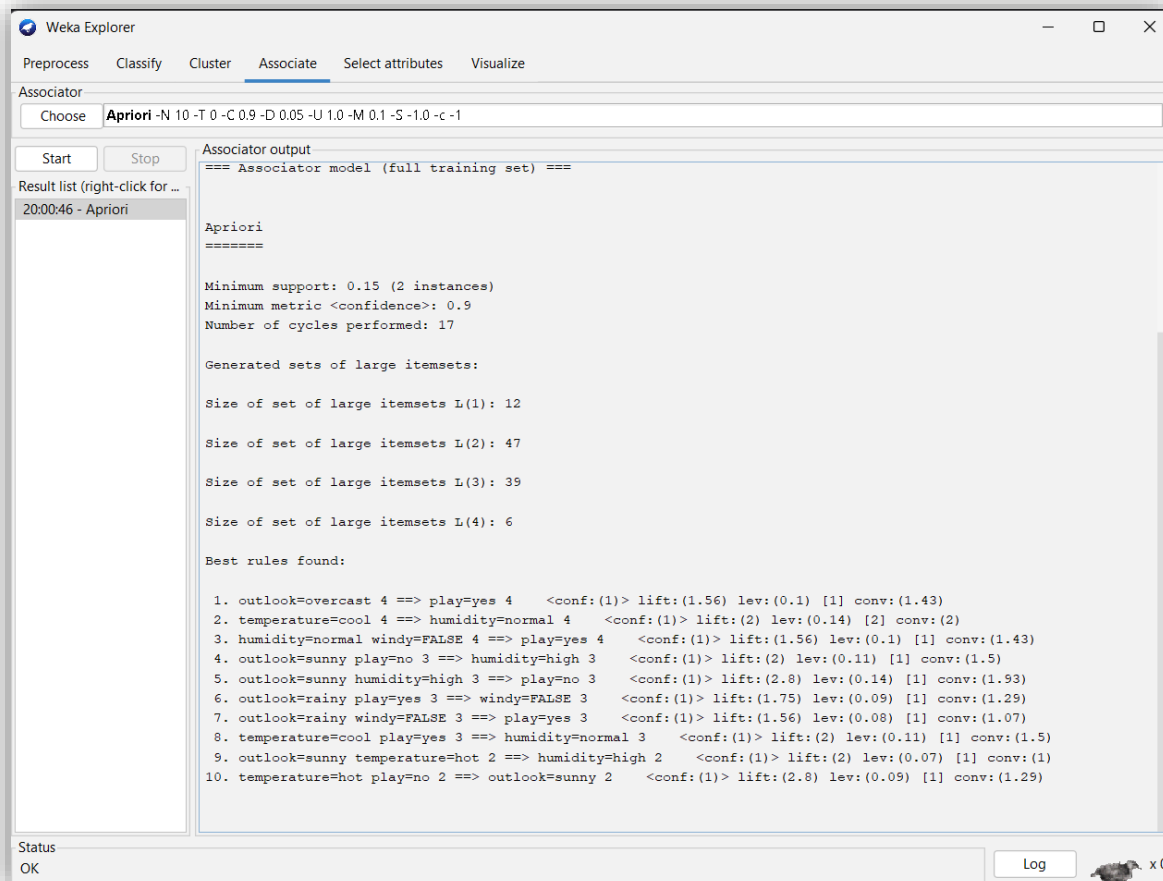
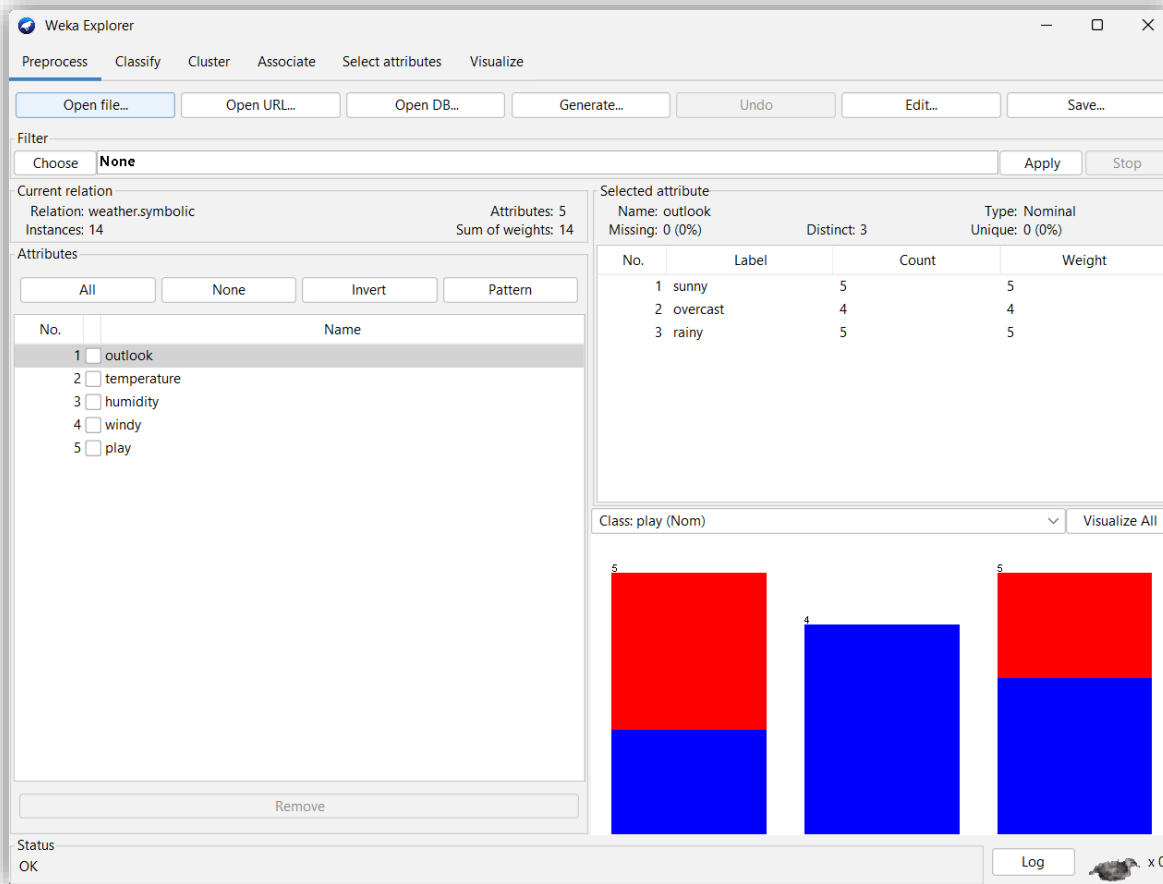


ASSOCIATION RULE MINING



NAÏVE BAYES ALGORITHM

The screenshot shows the Weka Explorer interface with the NaiveBayes classifier selected. The 'Test options' section shows 'Cross-validation' with 'Folds' set to 10. The 'Classifier output' section displays the following information:

```
=== Run information ===  
  
Scheme:      weka.classifiers.bayes.NaiveBayes  
Relation:    weather.symbolic  
Instances:   14  
Attributes:  5  
              outlook  
              temperature  
              humidity  
              windy  
              play  
Test mode:   10-fold cross-validation  
  
=== Classifier model (full training set) ===  
  
Naive Bayes Classifier  
  
          Class  
Attribute  yes    no  
          (0.63) (0.38)  
=====
```

The 'Result list' on the left shows '20:17:40 - bayes.NaiveBayes' as the selected result.

The screenshot shows the Weka Explorer interface with the NaiveBayes classifier selected. The 'Test options' section shows 'Cross-validation' with 'Folds' set to 10. The 'Classifier output' section displays the following information:

```
Time taken to build model: 0 seconds  
  
=== Stratified cross-validation ===  
=== Summary ===  
  
Correctly Classified Instances      8          57.1429 %  
Incorrectly Classified Instances    6          42.8571 %  
Kappa statistic                    -0.0244  
Mean absolute error                 0.4374  
Root mean squared error             0.4916  
Relative absolute error             91.8631 %  
Root relative squared error         99.6492 %  
Total Number of Instances          14  
  
=== Detailed Accuracy By Class ===  
  
          TP Rate  FP Rate  Precision  Recall   F-Measure  MCC      ROC Area  PRC Area  Class  
0.778    0.800    0.636    0.778    0.700     -0.026   0.578    0.697    yes  
0.200    0.222    0.333    0.200    0.250     -0.026   0.578    0.557    no  
Weighted Avg.   0.571    0.594    0.528    0.571    0.539     -0.026   0.578    0.647  
  
=== Confusion Matrix ===  
  
a b  <-- classified as  
7 2 | a = yes  
4 1 | b = no
```

The 'Result list' on the left shows '20:17:40 - bayes.NaiveBayes' as the selected result.