Experiment 06 :

Title Demonstration of Association rule process on dataset test.arff using apriori algorithm

Aim: This experiment illustrates some of the basic elements of asscociation rule mining using WEKA. The sample dataset used for this example is test.arff

Step1: Open the data file in Weka Explorer. It is presumed that the required data fields have been discretized. In this example it is age attribute.

Step2: Clicking on the associate tab will bring up the interface for association rule algorithm. Step3:

We will use 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.

Dataset test.arff

@relation test

@attribute admissionyear {2005,2006,2007,2008,2009,2010} @attribute

course {cse,mech,it,ece}

@data

 %
2005, cse

2005, it
2005, cse

2006, mech

2006, it

2006, ece

2007, it

2007, cse
2008, it

2008, cse

2009, it
2009, ece

 %

The following screenshot shows the association rules that were generated when apriori algorithm is applied on the given dataset.