

Homework #2 – Due Feb. 25

- Use the balance-scale dataset from the UCI repository to answer the questions below using the Weka Explorer.
 - Generate the classification rules using OneR algorithm with the test option of 66% percentage split. Justify quantitatively how the rules were generated.
 - Generate a decision tree using the J48 algorithm with the test option of 66% percentage split. Was the root attribute selected based on the notion of information gain? Justify quantitatively your answer. For this purpose, assume that each numerical attribute is discretized into two ranges, the first consists of all values less than or equal to 2 and the second consists of all the values larger than 2.