Homework #5 – Due March 30

- Use the balance-scale dataset from the UCI repository to answer the questions below using the Weka Explorer.

  - Run NaiveBayes with Percentage split 66%. The generated output includes the conditional mean and variance of each variable. Use this information to determine the class corresponding to left-weight=2.93, left-distance=2.94, right-weight=3.70, and right-distance=2.40. Explain the method used.

  - Discretize each of the numeric attributes into two ranges (choose supervised filtering), and apply NaiveBayes as before. What is the corresponding class given the same attribute values as before? Explain. What if you use the J48graft tree algorithm? Compare the results obtained.