**Project Description**

**Dataset used**: Abalone dataset (link: https://archive.ics.uci.edu/ml/datasets/Abalone)

**Organization of the data**: Conducted using Excel

Step 1: Removed first attribute

Step 2: Retained examples for class 9 and 10

Step 3: Renamed class 9 to 1 and class 10 to -1

Final number of attributes: 7

Number of examples: 1323 (class 9: 689, class 10: 634)

No of training points: 801

No of testing points: 522

**Computational times**

Perceptron (3 iterations): 0.0210828781128 seconds

Linear SVM: 0.00898098945618 seconds

**Confusion matrix**

Perceptron

[16.5, 24.5]

[35.6, 23.4]

Linear SVM

[15.5, 23.4]

[36.64, 24.5]