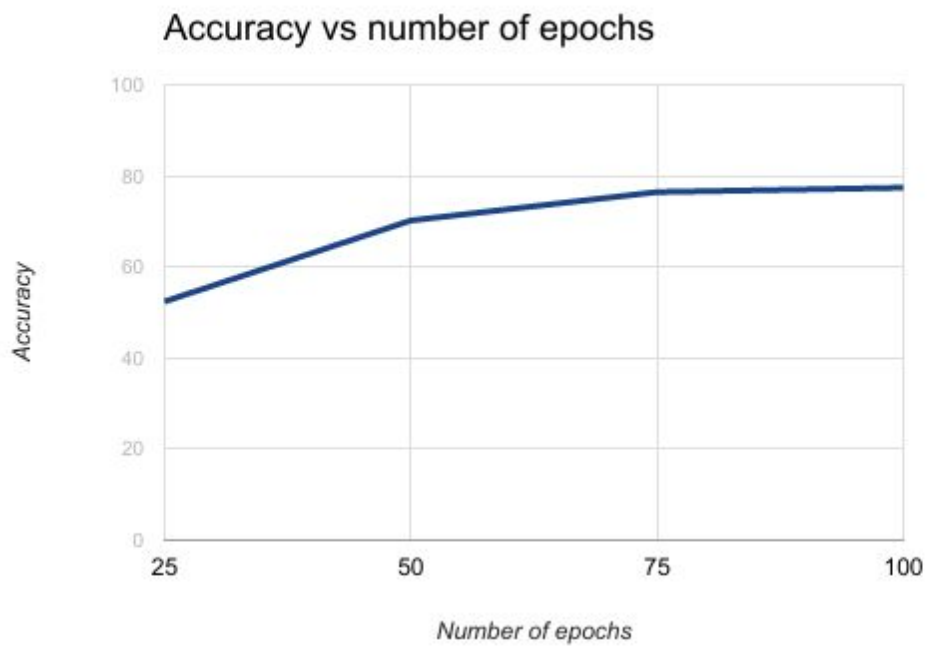


CS760 - Assignment 3

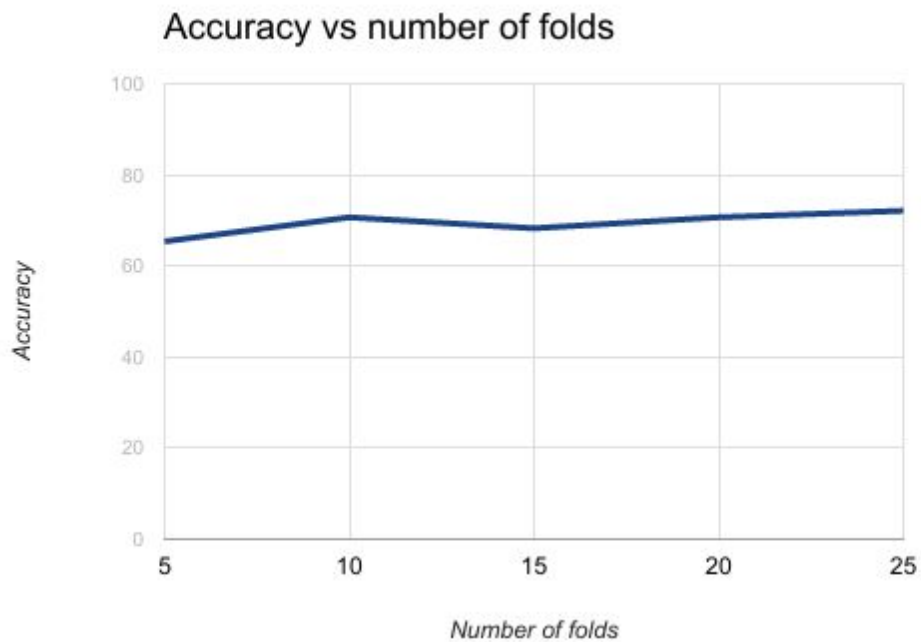
Analysis of neural networks for Sonar.arff

1. Plot accuracy of the neural network constructed for 25, 50, 75 and 100 epochs.
(With learning rate = 0.1 and number of folds = 10)



2. Plot accuracy of the neural network constructed with number of folds as 5, 10, 15, 20 and 25.

(With learning rate = 0.1 and number of epochs = 50)



3. Plot ROC curve for the neural network constructed with the following parameters:

(With learning rate = 0.1, number of epochs = 50, number of folds = 10)

Considering Mine as positive and Rock as negative example, the following ROC curve is plotted.

