5358 HW #4

1. Train a neural network to classify Fisher's iris data.

   (a) Classify all three flowers, use a randomly selected quarter of the data for testing purposes.

   (b) Train another neural net for only the versicolor and virginica flowers. From your neural network, generate an ROC curve.

2. Using particle swarm, find the optimal solution of three of the functions in "Test functions for optimization needs." The functions you choose must have multiple local minima.