Programming Assignment #5

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This programming assignment is to experiment with using the perceptron to classify real data. You are to use the well known iris data set.   As a first step (minimum requirement) you should train the perceptron to classify data points based upon petal length and width ... and give as output the species of plant (Iris setosa, or _not_ Iris setosa -- implying either Iris versicolor or Iris virginica). Later steps you may wish to try to separate Iris versicolor from Iris virginica, or even try to use two perceptrons to make a 3-class classifier (worry about this once you have mastered the two-class classifier).

The point here is to experiment. Many times you will be given a dataset. You don't always know the best approach. Experimenting with the algorithm will help you understand it and understand the limitations of the perceptron.

As output, I would like to see _evidence_ of classifying the data.

Points	100
Submitting	Nothing

Due	For	Available from	Until
Apr 21, 2015	Everyone	-	-