Created by: Lucas Hagel

CS4375 Introduction to Machine Learning

Assignment 2: Programming a Single Perceptron with Gradient Descent

This program was tested on Ubuntu Server 14.04 in Bash.

1. This program was programming in python 3 with numpy.
2. Using a Bash shell, cd to the directory with this program, type "g++ main.cpp", then hit enter.
3. Lastly on the shell prompt, type "python main.py <training file> <name\_of\_test\_file> <learning rate> <number of iterations>" the program will train the single perceptron on the given weights and then it will test the train set as well as the test set on it.