Machine Learning. Manhattan College. DeBonis. Project 2.

i. Write code for the Perceptron in augmented space

ii. Apply the Perceptron to the features collected in Project # 1, however if your data is not separated then apply the Perceptron to the data provided.

iii. Plot the feature points and the LDF

iv. Function call should look like $[m, b] = perceptronLDF(C0, C1, a1)$, where $a1$ is the seed vector, m is the slope of the line and b is the y-intercept. Best to **not** call your function simply "perceptron" since such a function exists in a Matlab toolbox.

I would suggest you get the perceptron to work on our in class example first.