

ASSIGNMENT

Submit your M-file and your figure.

1) Download *data.mat* to your current directory from blackboard, under Lab documents.

2) Write an M-file to load data from *data.mat* and compute the least squares approximation (“best-fit” line) for the data. Your function should work for any *.mat* file containing an $m \times 2$ matrix, where m is a positive integer.

3) Plot the real data and approximation line in one figure, include an appropriate legend. You should have a figure similar to the one shown below, and include the legend.

