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Pes71

ECE1395

Problem Set 4

1b) The size of the feature matrix is 1001 X 501

1c) For this particular set of data I would suggest a value of 0.003.

2a) For this problem I suggest a value of 5 for k. This value is not robust for any other problem. The optimal value of k depends on the data that is being used for classification.

3a)

Test Accuracy	Training Accuracy
84%	93.6%

When doing the one against all using logistic regression I was able to get a moderately accurate score on my predicted outcomes of y.