Machine Learning Homework #1 – Hezekiah Owuor

For n = 400
Accuracy on Training Set: 0.8275
Accuracy on Testing Set: 0.7111597374179431

For n = 800
Accuracy on Training Set: 0.8025
Accuracy on Testing Set: 0.7407002188183808

For n = 1200
Accuracy on Training Set: 0.7983333333333333
Accuracy on Testing Set: 0.74945295404814
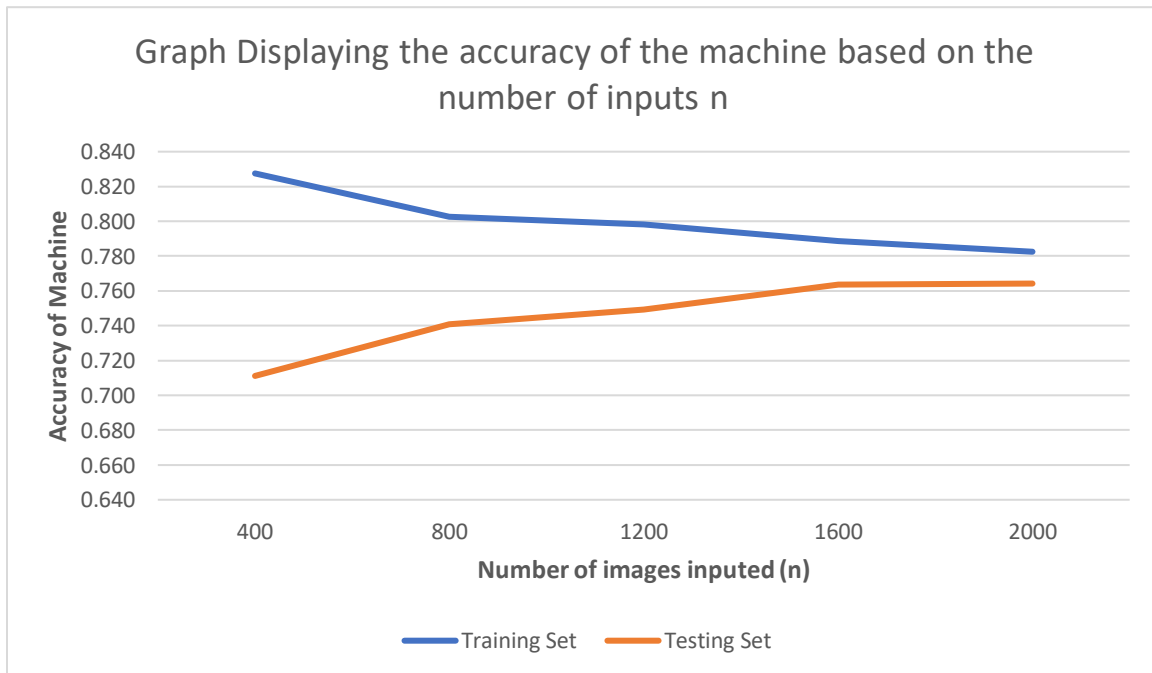
For n = 1600
Accuracy on Training Set: 0.78875
Accuracy on Testing Set: 0.7636761487964989

For n = 2000
Accuracy on Training Set: 0.7825
Accuracy on Testing Set: 0.7642231947483589

For my machine I notice that in general as the number of inputs/sets increase the accuracy of the training set decreases, whilst the accuracy of the testing set increases.