Stepwise Regression HW 1

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N	Training Accuracy	Testing accuracy
400	0.8125	0.725
800	0.78625	0.71875
1200	0.7825	0.720833333
1600	0.771875	0.7075
2000	0.7645	0.7145

The testing accuracy was generally lower than the training accuracy. This is likely due to overfitting. It is not uncommon to see that the training accuracy decreases as you increase the training set size. This happens because it gets harder to find a few features that satisfy all the images of an increasingly larger training set.