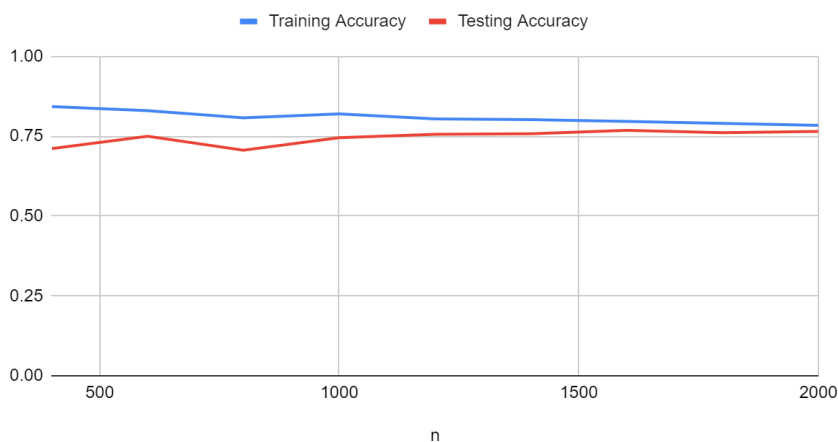


Training and Testing Accuracy

n	Training Accuracy (fPC)	Testing Accuracy (fPC)
400	0.8425	0.7112
600	0.8300	0.7500
800	0.8075	0.7062
1000	0.8200	0.7451
1200	0.8042	0.7560
1400	0.8021	0.7577
1600	0.7963	0.7681
1800	0.7900	0.7609
2000	0.7840	0.7648

Training Accuracy and Testing Accuracy



For the training data set, as n increases, the fPC of the training accuracy decreases. This is because as the data size increases, it is harder for the algorithm to find a feature that would predict all the images accurately.

For the testing data set, as n increases, the fPC of the testing accuracy increases. This is because as we have more data for the model to train on, the algorithm is able to output a more accurate set of predictors.

Visualized features

