

CS 4342 Homework 1

n	trainingAccuracy on first n examples	testingAccuracy
400	0.8275	0.711159
800	0.8025	0.7407
1200	0.79833	0.74945
1600	0.78875	0.763676
2000	0.7825	0.76422

Here, the training accuracy is clearly decreasing as a function of n . On the other hand, the testing accuracy is increasing as a function of n .

The two curves show opposite behavior and can be concluded as inversely proportional to each other.

The best 5 features are visualized here:

