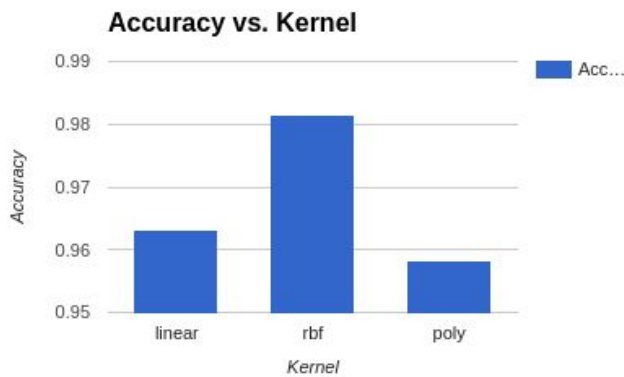Andrey Shprengel
CSCI 5622
SVM Homework

I began my looking at different C values at different amounts of training points. As you can see accuracy tends to increase with values of C up to 11 and then it more or less levels of. In the chart below the X axis is C values from 1 to 20, the y axis is accuracy and the point are color coded according to the amount of training point used

Then using C = 11 I looked at the performance of differen

t kernels using all the data.

The following are two images of support vectors using a linear kernel with all the training data