Coding Up The SVM

SVM vs. Naïve Bayes

- SVM Author ID Accuracy
- SVM Author ID Timing

- A Smaller Training Set
 features_train = features_train[:len(features_train)/100]
 labels_train = labels_train[:len(labels_train)/100]
- Speed-Accuracy Tradeoff
- Deploy An RBF Kernel
- Optimize C Parameter (e. g. 10, 100, 1000, and 10000)

- Use the full training set with optimized C for the RBF kernel
- Optimized RBF vs. Linear SVM?

- Extract Predictions From An SVM (Use the RBF kernel, C=10000, and 1% of the training set)

 answer=predictions[100]
- How Many Chris Emails Predicted? (Use the RBF kernel, C=10000., and the full training set)