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CS 498 HW2

Problem 2.5a

Plots in files labeled "lambda_0.001.jpg", "lambda_0.01.jpg", "lambda_0.1.jpg", "lambda_1.jpg"

Problem 2.5b

The best lambda value is .001 as this value produces the best accuracy on the validation set when compared to the other accuracies produced by different lambdas on the validation set.

Problem 2.5c

The accuracy of the SVM classifier (with lambda = .001) on the test set is 0.8108495