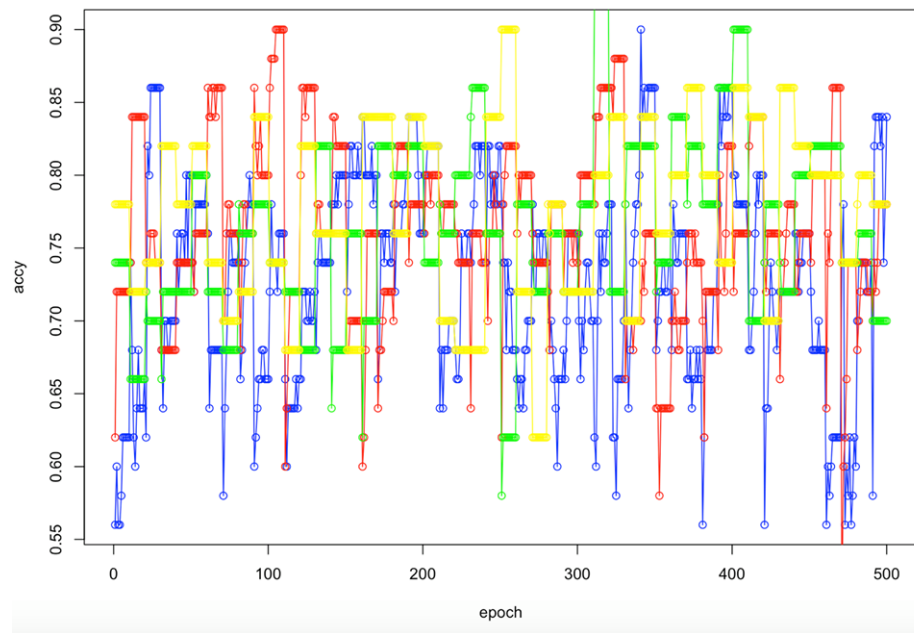
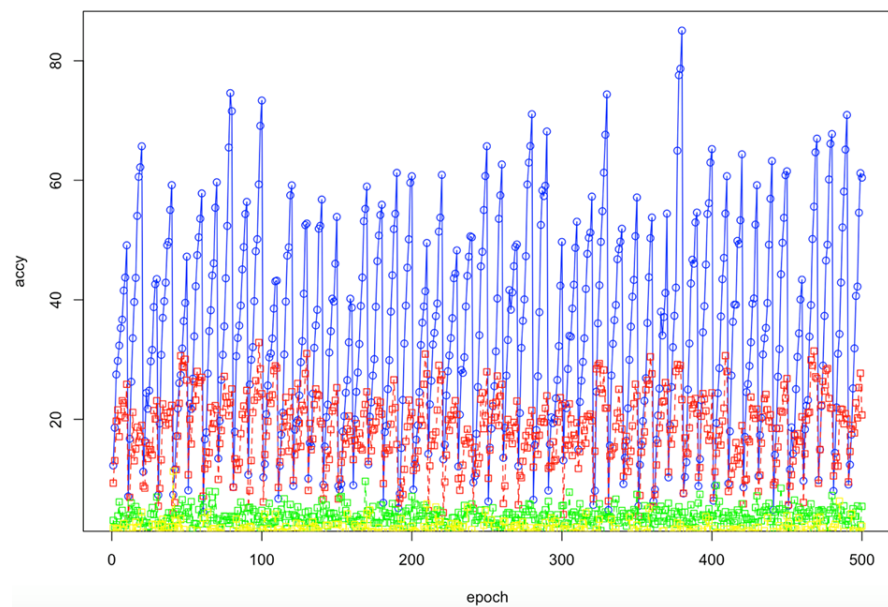


A plot of the accuracy every 30 steps, for each value of the regularization constant.



A plot of the magnitude of the coefficient vector every 30 steps, for each value of the regularization constant.



Your estimate of the best value of the regularization constant, together with a brief description of why you believe that is a good value.

We choose the regularization constant based on how it does on the validation set. We search for the graph of accuracy that gives us the highest overall accuracy. The lambda of .01 gives us the best accuracy value because it has the least amount of inaccurate points and overall highest accuracy points.

Your estimate of the accuracy of the best classifier on the 10% test dataset data

The accuracy we got for a lambda of .01 gives us .7402.