Stat 202A – Final Homework Instructions

The final homework submission consists of 2 files:

1. **60 points**: Completed R template with neural network, SVM, adaboost, logistic regression classifiers as well as Bayesian variable selection scheme based on the Gibbs sampler (**each functions is 12 points**). As usual, read the instructions very carefully. Also, do not change the name of the input dataset, "digits.csv".

2. **40 points**: A pdf/Rmd/doc file comparing the neural network, SVM, adaboost, and logistic regression classifiers. You can use whatever dataset you would like (digits.csv is fine). Use plots/tables etc. to express your ideas. Discuss the similarities/differences between these 4 designs.