

## STAT 6306 – Homework 6

Due: Dec. 8 at 8 a.m.

1. Let's make some submissions to the Kaggle data science challenge website. Make a submission for the digits data set (which can be found at <https://www.kaggle.com/c/digit-recognizer>). I made a sample code (`kaggleSubmission.R`) using random forest that is on the website but I encourage you to look into other methods (or try different parameter settings for the random forest) we have talked about.

For the submission, write a very short report ( $\leq 1$  page) detailing your findings. This would include what you tried, the results, and any insights you made. Lastly, though there is a large amount of code floating around, resist the urge to just run other people's scripts, at least without first understanding them. Don't wait until the last minute and spend some time thinking about this (example: try LDA. What happens and why?).