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ISyE 2028 – Basic Statistical Methods - Fall 2015  
Bonus Project: "Big" Data Analytics  
Proposal (or Final Report)

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Netflix and Study

Like many other busy college student, I have found that one of the best ways to relax and relieve some of the stress of going to Georgia Tech is to check out my brain for a while by watching a few shows or a movie on Netflix. The popular streaming site allows users to choose from an enormous variety of online movies, past seasons of TV shows, as well as Netflix original programs. This vast quantity of available entertainment has led to a recent phenomena known as "bing watching", referring to when a person watches programming for a long extended period of time. I am very interested in examining the watching habits of my peers, and seeing if there is any correlation between the amount time a person spends on Netflix and the person's age, major, and study habits.

To collect this data, I would send out an anonymous google survey asking a person's major, year at Tech, how much time they spend on school work outside of class during the week, whether or not they have a Netflix account, and if so how much time they spend on it per week. I will send this survey out to various groups I am in, such as my Georgia Tech class page.

After I collect my data, I will type it up in a text file and import it to the R software, using its functions to find the relative descriptive statistics. I would construct a histogram for each year in school and number of hours studied per week, as well as one for year in school and number of hours of Netflix watched. I will also construct a boxplot for each year, and compare these graphical interpretations of data. I will also try to conduct a hypothesis test, because I predict that as a student gets older, he or she studies less and watches Netflix more. Finally, I will construct confidence intervals for the mean values with a 95% confidence level. By finding these results, I hope to see if there is any connection between age, study habits, and the amount of TV watched.