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

Majors and their study habits
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At Georgia Tech, students who are studying “easy” majors tend to get less respect from their engineering counter-parts. The question remains, Is it true that engineering students put more time into their classes and studies than other majors on campus? This is what I want to test in my project.

I plan to determine if there is a difference between the amount of time engineering students study and work on homework per week and the amount of time business/liberal arts students during the week. I will send a survey to various audiences (my sorority, some fraternities, my 2018 graduating class FB page, my student organizations, etc.) to get the most unbiased data, and I will calculate the average time each student spends studying, working on homework, and writing papers, then try to see if there is a relation to their major. My hypothesis is that engineering students spend the most time on studying, computer science students spend the most time on homeworks, and business/liberal arts spend the most time on writing papers.

I have found sources online from previous surveys to use in my final analysis, so that I can compare previous well-respected data and make sure that the data I collect isn’t completely biased. By calculating mean, variance, expectation, and other statistical data, I should be able to prove whether or not engineering students put in a significant amount of more work into their studies.

Sources for comparison:

<http://www.goodcall.com/news/recent-survey-reveals-which-majors-require-the-most-and-least-study-time-01800>

<http://college.usatoday.com/2011/11/23/study-reveals-engineering-majors-spend-significantly-more-time-studying-2/>