
ISyE 2028 – Basic Statistical Methods - Fall 2015

Bonus Project: “Big” Data Analytics

Proposal (or Final Report)

I propose to test the ratio of number of hours per week studying, to how well one does in school. The population is the entire student body at Georgia Tech, and my sample group will be approximately 100 people. Recently I have been wondering how effectively the students at Tech are studying and if we are all either under studying or over studying to get the grades in the classes we desire.

I have already been collecting data for this survey as it was something that I was pondering the other day. I have been asking friends of mine and will soon be creating a online survey through google docs to track the number of hours people have been studying and correlate that to how well we feel we are doing on tests and quizzes after the fact.

From personal experience as a 3rd year at Georgia Tech my hypothesis is that, I have noticed that sometimes no matter how hard you study for an exam, the exam is just designed to be too hard to do well on. Class averages in the failing range and extreme hours of studying to almost no avail. Many students nowadays have issues with sleep and stress due to the frequency and comprehensiveness of tests in their classes and I would like to know how they feel about their success here at Georgia Tech.

Now it is very possible that my hypothesis will be incorrect and people are feeling great about their situations here at Tech, but what I do know is that in the past when surveys such as this one have been taken here, Georgia Tech has ranked among the worst in the nation for overall student happiness.

Something that maybe could come out of this study is letting Georgia Tech know that their students are either happy or unhappy with their academic situations and they can go from there with how they could improve the situation. For example, there could be better teacher screening, more student-help options, and mandated testing schedules for classes that tend to be taken together.

I am very excited to be working on this project because it has a special meaning to me as a student attending the university where sometimes expectations and outcomes on tests and grades don't always work the way we want them to.

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