

Term Project

15% of your course grade depends on a written term project. You will choose your own topic but the statistical tools and the structure of the paper are given. Data collection is an important part of the project. You may get inspiration for your topic from a newspaper article, a website, a work-related issue, or just about anything that interests you. When you have a general idea about what you would like to write, you will come see me and we will work together to narrow down the topic and discuss your methodology. It is important to consult with me before starting to collect your data.

Choose one (or two) of these five statistical tools to analyze your data:

1. Hypothesis test for population means or two population means
2. Linear regression
3. χ^2 test
4. ANOVA
5. Comparison of proportions

The paper should be at least 5-6 pages, 12-font, double-spaced. However, an A-paper will probably include a bit more depth than is allowed by 5-6 pages. Keep in mind that this is an academic paper, so please write carefully. Also, plagiarism (look it up!) will earn you a zero on this assignment.

The basic structure and the main sections of the paper are:

1. Background statement
 - The “what” and “why” of the study
2. Design and procedures
 - The “how” of the study
 - Explain your steps to ensure that your sample is a valid random sample
3. Results
 - Includes a summary of the data in tabular form and an appropriate graph
4. Analysis and discussion
 - This is where your calculations go, neatly typed, if only possible
 - Do you accept or reject H_0 ? What does that mean?
5. Conclusions and recommendations
 - Did your findings meet your expectations?
 - What would you do differently if you were to redo the study?

Students are strongly encouraged to visit the Writing and Speaking Studio in room C612 (writing_speaking@fitnyc.edu). Brian Fallon and his staff are prepared to help you with this assignment. Also, please do not hesitate to ask me any questions you may have during the project.

Key dates:

- The topic is due on November 27th
- The paper is due on December 19th