

STAT:6220 Statistical Consulting

Project Goals:

1. Gain experience in a statistical consulting setting
2. Gain experience in analyzing real data sets
3. Practice orally communicating statistical ideas
4. Practice communicating statistical ideas in writing

Project Components:

Stage 1

- Understanding research goals of client and how data were collected (this means asking questions!)
- Acquiring data
- Exploring the data

Stage 2

- Performing statistical analysis

Stage 3

- Presenting oral presentation

Stage 4

- Completing first draft of written report

Stage 5

- Turning-in final written report

More on Stage 4: The first draft of written report.

- Use LaTeX.
- Bring organization to your report by using relevant *section headings* (e.g. Introduction, Analysis, etc.).
 - I will provide a skeleton LaTeX script to get you started (see related TeX file).
 - I would like you to include a ‘References’ section with at least one reference. At the very least, reference a text book that discusses a model with some similarity to your model.
- Assume the reader of the report is someone who has no background on the research project.
 - For example, the reader may be a supervisor overseeing many projects.
 - Thus, include a ‘Background’ or ‘Introduction’ section that discusses the goal(s) of the study.
 - * who, what, why, how, ...
- Include all pertinent information, but be concise.
 - Graphics
 - Software output
- Turn-in something you would be comfortable giving to your boss.