

STAT 536 Project

Project Guidelines

Presentations will take place during the scheduled final exam period on December 10 at 8:00 AM. In addition to the course presentation every speaker must also submit a project summary. The project is worth 20% of the course grade. The written projects will be due *no earlier* than December 11 at 5 P.M. Evaluation for the project will be based on the following:

1. Class Presentation: 45%

- The presentation should be approximately 8 - 10 minutes and I will cut you off at 10 minutes. Practice is your friend here, make sure to practice your talk at least 2 times before presenting in class.
- The general target for the audience is that of your classmates.
- Speakers should be prepared to take questions from classmates or the instructor, but those questions will be restricted to after the presentation so they won't be included in the time.
- The presentation should provide an overview of the problem studied and give the basic notation necessary for understanding the approach taken in the data analysis.

2. Project Summary: 45%

- The project summary should describe the problem and provide all appropriate details, including those that might have needed to be omitted during the short presentations.
- There is no formal length, but the summary should include the following sections:
 - An **introduction** that provides an overview of the data set and details the question you are attempting to answer,
 - a **methods section** that contains description of the model you are fitting (with mathematical notation), and a description of the computational techniques, and
 - a **results and conclusion section** that provides a summary of the results. The summary will not simply discussing statistical output, but focus on the scientific implications given your modeling framework.
- The project summary should be a reproducible document that includes code implementing all of the methods summarized in the document.

3. Peer Feedback: 10%

- Each speaker will give anonymous peer feedback to other speakers. Forms will be provided. Full credit will be given for thoughtful responses.