

STATS 240P Multivariate Analysis: Final Project

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Instructions

Final Project Guidelines

Objective

The purpose of the final project is to showcase what you have learned in the course by analyzing real-world data.

Team Structure

This is a group project. Each team should consist of 3–5 students.

Data Selection

- Choose an appropriate multivariate dataset.
- The dataset should not be one that is widely used in textbooks or teaching materials.
- Provide the data source, including the link and version.

Research Focus

- Determine the questions you aim to address through data analysis.
- Research the background of your chosen dataset to gain a comprehensive understanding.

Preliminary Analysis

Utilize visualization tools to present your initial findings.

Statistical Methods

- Apply formal statistical methods to draw inferences or evaluate method performance.
- Incorporate at least one method learned in this course.
- You may also use additional methods acquired from other courses or self-study.

Presentation

- Each group will deliver a 20-minute presentation.
- **Presentation Schedule:**
 - **Week 10:** Thursday, June 5, during class time.
 - **Finals Week:** Tuesday, June 10, from 10:30 AM to 12:30 PM.
- You are required to attend both sessions.

Submission

- Please name your files as follows:
 - Presentation slides: `FinalProjectSTAT240P_LastNames.`
 - Source code: `FinalProjectSTAT240P_LastNames.`
- Upload your presentation slides to Canvas prior to your scheduled presentation. Alternatively, you can provide a web link to your slides if they are hosted online.
- The source code should be submitted. If there are multiple files, please compress them into a single ZIP file and upload it to Canvas.