

# Final Exam - Project Guidelines

In lieu of a final exam, students will complete a final project and presentation using the statistical methods learned during the semester. Students will locate their own data to analyze and will be evaluated both on their presentation and final written report.

## 1 Overview

The goal of this project is for students to see an application of the core material presented in class to a dataset of their choosing. Also, to give students an applied look at solving data analysis problems using these methods in R. With this goal in mind, the final exam for this class will consist of:

- Short 3-4 minute presentations
- Final written report

## 2 Presentation guidelines

Each presentation should be a “mini lecture”. Video presentations will be presented during the final two class periods of the semester (exact dates are on the class syllabus). The order of presentations will be randomly selected on Thursday May 5 during lecture. The presentations will be evaluated on your ability to clearly discuss statistical methods applied to your dataset.

- You must email [jamesliv@buffalo.edu](mailto:jamesliv@buffalo.edu) the slides by 11:59 pm the day prior to the presentation.

## 3 Report guidelines

The report will be due **Friday May 20th at 11:59 pm**. The report should be formatted as follows:

**Abstract:** Include an abstract to summarize your work.

**Data and Motivation:** Describe dataset used and questions you will answer in the report.

**Methods:** Describe the theory behind topic and how to use it during analysis.

**Results:** Discuss the results of all methods applied.

**R code:** Include code at the end of your report. Clearly comment and document the R script.