

# Research Project

Introduction to Data Science

March 2, 2022

As we approach the end of the year we will conclude with a data related final project. For the final project you will be conducting and exploratory data analysis on a dataset of your choosing (it must be appropriate and contain numerical and categorical variables). For the project you may work individually or in groups of two.

The project will be broken into three parts:

1. Proposal: You must give me a written proposal for your project, and have it approved.
2. Written Report: You will create a written report summarizing your findings and analysis. Your report must include at least 4 statistical visualizations that are clearly laid out and explained.
3. Presentation: In the final week of classes each student/group will be presenting their findings to the class. Your presentation can be in any format you desire (poster, powerpoint, video, music video etc.) Bonus points to groups who present their work in a creative way.

You may use any of the datasets we explored in class, and/or are encouraged to introduce new datasets for your project.

Each part will grant you 200XP upon completion of the entire project. Additional XP may be granted for students who demonstrate extreme data skills through their project/presentation.