A4: Final Project Presentation and Report

Step 1: Presentation

You will give an in-class presentation of your final project. The goal of this presentation is to demonstrate that you are able to effectively communicate your research questions, methods, conclusions, and implications to a non-data-scientist audience.

The presentation will be no more than 13 minutes long. Slides are not necessary but are probably a good idea.

The presentation should demonstrate the following (2-point; 0.5 per component):

- Your ability to give a professional research presentation.
- Your ability to communicate the importance of your research to a specified audience (Imagine that you are pitching your project to directors/execs at a company you work for).
- Your ability to communicate the nature and implications of your findings in an accurate and compelling way.
- Your ability to do all of the above in a very short time.

The presentation should cover the following (2-point; 0.5 per component):

- Your research question(s).
- A human-centered argument for why your project is important.
- The methods, data, and approach that you used to collect and analyze the data.
- Findings, implications, and limitations of your study.

Step 2: Report

For this part, you will publish the complete code, data, and analysis of your final research project. The goal is to demonstrate that you can incorporate all of the human-centered design considerations you learned in this course and create research artifacts that are understandable, impactful, and reproducible.

A successful report will take the form of a well-written, well-executed research study document (a repo with code + supporting data files and documentation) that includes (6-point; 1 per component except for the reproducible data):

- Your research question(s).
- Background research or related work.
- **A human-centered argument for why your project is important.**

- The methods, data, and approach that you used to collect and analyze the data.
- Findings, implications, and limitations of your study.
- All your code and data, thoroughly documented and reproducible.
- A thoughtful reflection that describes the specific ways that **human-centered data science principles informed your decision-making in this project**—from beginning to end.

Additionally, you need to submit your presentation materials as well.

Data visualizations aren't necessary, but are encouraged (they are often an effective way of communicating your findings!)

Your deliverables for the final project proposal can be a part of this report: you are expected to build your report around it.

The deliverable for this assignment will be a document and a slide deck in PDF format. You will turn the assignment in by submitting your PDF before the deadline of **9AM on December 7**. Please make sure to make **ONE SUBMISSION PER TEAM** and **list all the NAMES and NETIDs of team members** at the top of the first page of your proposal.