
pm-03: Implementation - Phase 1

This is a group assignment

Purpose:

The purpose of this assignment is to begin implementing your final project visualization.

Tasks:

Please review the [Project Overview](#) document for a refresher on final project expectations. The requirements listed there must be met unless you have explicit approval from the instructor to do a differentiated project.

1. Set Up Webpage (20 points)

The visualization tool you build for your final project will be hosted on a GitHub Page. Accept the assignment (<https://classroom.github.com/a/qpwTolZd>) to begin setting up your page. Once you have accepted the assignment, begin to fill in the webpage:

- a) **Title**
 - Add a short title for your project.
- b) **Header 1**
 - Add the title of your project.
- c) **Motivation**
 - Provide an introduction/motivation for your project. Include the domain area your project addresses, the domain problem it seeks to solve, why solving this problem is important, and an overview of the use case for your tool.
- d) **Background**
 - Add a subsection titled Data. In this section, discuss (at a high-level) what data your tool visualizes, the source of the data, biases and ethical issues embedded in the data, and any data quality issues you found. Add a link to the raw data.
- e) **Visualization**
 - See below for visualization requirements for this pm.
- f) **Acknowledgements**
 - Add clickable links to resources you have used.

2. Begin to Implement Visualization (36 points)

Based on your final sketch, begin implementing your visualization.

Note: It is okay if your visualization design changes from what is in your final sketch as long as you document what has changed and why in the Design Process section of your final paper.

For this pm, we will check your GitHub Page and Repo for at least the following benchmarks:

- a) **Reading Data**
 - Data is read in from an external file.
 - At least 10 lines of data print to the console without errors.
- b) **Visual Encoding 1**
 - One of the visual encodings included in your final sketch shows on the page.
 - All static details for the encoding (ex. axes, colors, etc.) are fully implemented.

- All interactive details for the encoding ***other than linking to another encoding*** are fully implemented (ex. tooltips, zooming, etc.).

c) Visual Encoding 2

- At least some progress had been made to show a second visual encoding included in your final sketch on the page.

Submission:

Be sure to push changes to your GitHub Repo, then submit on Gradescope.