Project 1: Present a Data Visualization

Agreement

This Project is meant to be an assessment of your ability to creatively execute several learning objectives at once by visualizing information contained in a data set of your choosing.

While you will be scored individually, you are welcome to work with other students in the course to develop your project.

You may use any resource, either online or physical, to complete the work. This includes:

- Any help forum or website (e.g. StackOverflow) questions that already exist.
- Any notes, code, slides, papers, or previous feedback from the instructor.
- Any books, online or physical.
- Scholarly works such as papers.

It DOES NOT include:

- Help from generative artificial intelligence such as ChatGPT.
- Help from homework websites such as Course Hero or Chegg.

If you use work outside normal course resources (textbooks, lecture notes, slides, code, or instructor feedback), you are expected to cite the work by providing a URL to the source near the place that the code was used.

Instructions

Step 1: Choose a data set from the internet. This data set must have some numerical data associated with it, must be freely available to download, and must be approved by the instructor by **Oct. 6, 2023 at 5 pm**.

Step 2: Create a new R project specific to this project. In this project, create an R Markdown file and include your data set in a folder named "data". Load your data into R using the R Markdown file. Do this by **Oct. 11, 2023 by 5 pm**.

Step 3: Create **two** visualizations of your data set that illustrate some hidden information or insight into the data set. Make sure that the visualizations are easy for your viewers to understand and follow best practices. Do this by **Oct. 20, 2023 at the start of class**. You will submit a compressed folder containing your Rmd file and data set to Canvas by the deadline.

Step 4: Present your visualizations to the class and receive feedback on how to improve the visualizations. This will occur during class on **Oct. 20 and 23, 2023** (you will be assigned a day, but still must have completed your visualization by the deadline in Step 3).

Step 5: Incorporate the feedback to your visualizations and submit a revised version of your visualization project by **Oct. 27, 2021 at 5 pm**. You will submit a compressed folder containing your Rmd file and data set to Canvas by the deadline.