In-class assignment #6

CMSE 402, Data Visualization Principles and Techniques
Spring 2020

Purpose: The purpose of this assignment is to for you to get some experience manipulating datasets by binning, filtering, and smoothing them, and to share the results of doing so. We will do this using a variety of datasets that have been included in this repository.

Instructions: You will be assigned to a group of $\simeq 4$ people, and will also be assigned one of these datasets. Once you get together as a group, do the following things:

- Examine the dataset together by looking at it to figure out what data is in it (all of the data files are CSV files, though some of them have been compressed using "zip.")

- Decide what questions you want to ask of the data, and assign group members to perform analysis and data visualization to answer those questions.

- Create a set of shared, publicly-viewable Google Slides that describe (i) the dataset, including the information available therein; (ii) the questions that you have decided to ask of the data, and (iii) the visualizations that answer those questions (for this part, make a note on the slide of who created that visualization). Post the link to these slides in the course Slack channel. (Also make sure to list your group number and the names of group members on the slides!)

- You will each have about four minutes at the end of class to share your results with some of your classmates!

- Make sure to commit and push your data analysis by the end of class. You do NOT have to gather together all of the analysis and visualization - just push what you personally did.

Handing in the assignment: Turn in all this assignment via the GitHub classroom repository where you found these instructions. You can do this by committing your assignment and pushing it – i.e., in the directory that contains your assignment repository type "`git add (name of file containing writeup)`", then "`git commit (filename)`", and then "`git push`". The last step is critical, since that pushes your changes to GitHub where I can see and grade them!