Final Project

For this assignment, you will create a series of four related visualizations that tell a story. Related visualizations could show an overview of a dataset, breakdowns and aggregations at different levels, or could compare or combine datasets on related topics to expand the strength of inferences (you might want to look up ancillary data like population, consumer price index, migration rates, etc.). Find a truth in the data, find a way to share this truth, and share some context about the dataset in which it was found in using the visualizations.

Be sure to include:

- **At least two visualizations which encode more than 9 data elements.** Data-poor (less than 10 numbers) graphics are permitted, but no more than two graphics should be considered data poor.
- **A figure caption for each graphic.** This can be short. You will probably need to number the graphics, and you have to split your text between body and caption.
- **A paragraph describing each visualization, what it says and what it means.** The paragraphs might include summary statistics when necessary, and you are welcome to include tables that may help your audience interpret your graph if appropriate. Low-effectiveness visualizations are not virtuous here as they were on the first project; if a visualization is just as effective as a table, a table should be preferred.
- **A citation for the source/provenance of your dataset.** This must be in the report somewhere, but does not need to be in every caption.
- **A paragraph of critique or commentary on your design (or a draft of your design) from another student in the class.**

Write your text for an audience on the subject of the visualization. You do not need to talk about the visualization techniques except when critiquing another student's project.

You do not have to use any specific tools to produce the visualization (you could even draw it by hand). Please submit the code you use to generate the visualization.

For this project, you will have the option of working in pairs. If you choose to work in pairs, you should **combine at least two datasets** and create at least four visualizations. To keep the number of critiques even, you should try to work with another pair of students.

If you want feedback on your final project before you submit, please turn it in on Canvas by **Tuesday, November 29**. Your submission does not have to be final, but it should be complete enough for us to give feedback. **This submission is optional!** This deadline is relatively early so that we can make sure to get feedback to you soon enough to use it. If you would prefer, you are welcome to stop by office hours and get feedback informally.