Assignment 7 – (OPTIONAL) Bonus Assignment

Assigned: Mon. Nov. 27
Due: Weds. Dec. 13 10pm

Assignment Overview

If you choose to do Assignment 7, it is worth bonus points up to 1% of your course grade. 1% of your course grade in bonus may be enough to push a C to a B, a B to an A, and in general boost your grade.

Goals

- Create an interesting data visualization using D3.js
- Your data visualization will be a fun piece to show on your portfolio

Data visualization

You may choose from one of two options for the dataset your visualize:

1. **Austin Animal Shelter Outcomes**: This is a dataset containing information about animals who enter Austin's Animal Shelter system. The dataset can be found on Kaggle or on Austin's government data website. You may choose to visualize any of the shelter's datasets, to help people explore questions like: Which breeds are most often given up? What kinds of stray animals are adopted?… or other questions of your choice.

2. **Other Government Dataset**: Many cities and states now have open data, for example, you can find many Allegheny County datasets specific to Pittsburgh: https://data.wprdc.org/dataset?organization=city-of-pittsburgh. Pick a government dataset, whether at the city, county, state, or federal level of the United States (or a different country), and visualize it in an interesting way.

Deliverables for Assignment 7 *(up to 1% of your course grade)*

- Visualization (2pts)
    - Should be written in Javascript/HTML/CSS using D3.js and whatever other libraries you choose to use. Your deliverable should be a simple web page containing the visualization.
- Writeup (3pts)
    - A link to your GitHub repository

- ○ Describe the goal of your visualization. Why did you design the visualization you did?
- ○ Describe your sources. What dataset did you use, from where. If you looked at other visualizations as inspiration for yours (encouraged!) please provide links for those with 1 sentence about each.

Submission
- Submit your write-up as a pdf **on Canvas**.
- Submit your code **on Github**