CSC/SDS 109: Communicating with Data

Fall 2024

HW 01: Data Visual Mapping

This is an individual or pair assignment-- you pick!

Goals:

- Explore data documentation in real-world visualizations
- Evaluate the data visual mappings in real-world visualizations

Instructions

Choose Visualizations

Choose a visualization from the galleries here: https://www.vislies.org/2024/

Choose a visualization from a news reporting outlet.

Choose one additional visualization from any source.

Deliverables

- Create a document that contains:
    - A screenshot and link to each visualization you chose
    - For each visualization--
        - Provide an overview of the data visualized:
            - Where does it come from?
            - Who collected the data and why?
            - Do you anticipate any ethical issues or biases in the data?
            - *If you cannot answer some of these questions, note that and explain how you tried to find the answer.
        - Identify the data-visual mappings the visualization employs
        - Based on what we have covered thus far in lecture, assess the data-visual mapping. Is it correct or incorrect? Why?

Submission

Submit your deliverable(s) as a PDF on Gradescope. If you worked with a partner, submit as a group (https://guides.gradescope.com/hc/en-us/articles/21863861823373-Adding-Group-Members-to-a-Submission).

Rubric

The following matches the rubric you will see on Gradescope.

Points	Criteria
3	Submission is well-formatted and easy to read.
3	Submission includes links and screenshots for three different visualizations (1pt per visualization)
3	Submission includes an overview of each dataset visualized (1pt per visualization)
3	Data-visual mapping is correctly identified (1pt per visualization)
3	Assessment of data-visual mapping is correct based on lectures (1pt per visualization)
TOTAL	15