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.

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|  | 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 |  |