

Assignment #2: Interactive Visualization Exercise

Task:

Use the same provided data or aggregate additional external dataset to design an **interactive web-based visualization**. Provide one page of write up to describe the story, including design rationale and justification for your design decisions. Describe your choices of visualization type, size, color, and other visual elements. Why and how do you think your design effectively deliver the story? You may include the write up on the web page.

Note: You are free to transform the data and import external data. You are free to use any graphics or charting tools. You are **not** required to include all the variables provided in the dataset.

Data set:

Santa Clara University Waste Characterization data (Year, Date, Building, Stream: this is the waste label, volume as the unit, Weight: is in pounds, Notes: this is the detail content for the waste). You can download the data as a csv file on Camino.

Hint: Is there a pattern or trend? Does the pattern matter? What are the differences? You may not need all the variables.

Evaluation: Data analysis (30%), Rationales of your visualization design and story (30%), Visualization: interactivity (15%), aesthetic (10%), originality (15%), satisfy the submission criteria (5%).

Submission:

1. This is an individual assignment.
2. Your submission should include a page of your write up, web page source files or a link to your interactive web-based visualization. You may zip all files together.
3. File must be named as `Assign2-YourFirstnameLastname`

(i.e. *Assign2-SharonHsiao*)

4. Submit it through Camino.
5. Deadline: Tuesday May.23 2023, by 5:00pm.

Your assignment will be discussed in class or on blog.