ic-14: Evaluation

This is a group assignment

Purpose:

The purpose of this assignment is to gain experience with the analysis required for usability testing.

Tasks:

1. Form teams of 4 - 6.
2. You will use data from Analyze Boston for this activity: https://data.boston.gov/dataset/property-assessment/resource/1000d81c-5bb5-49e8-a9ab-44cd042f1db2
3. Choose 5 cities of interest to you in the data set. Using whatever tool you want, create the following three visualizations:
   - A set of bar charts (you will end up with two) that show total TOTAL_VALUE and GROSS_TAX for each city.
   - A set of pie charts (you will end up with two) that show proportions of total TOTAL_VALUE and GROSS_TAX for each city.
   - A grouped bar chart that shows total TOTAL_VALUE and GROSS_TAX for each city.
4. Design a controlled experiment to evaluate how effective the visualizations you made are for:
   - comparing TOTAL_VALUE across cities,
   - comparing GROSS_TAX across cities, and
   - comparing TOTAL_VALUE to GROSS_TAX for each city.
   You will need to decide what task(s) your experiment will include, what data you will collect, and if your experiment will be within or between subjects. Start a document and record the details of your experiment in it.
5. Find another group and act as participants in each other's experiments. Be sure to collect data while people perform your experiment.
6. Analyze your results and draw conclusions about how well suited the different visualizations are for different tasks. Add your analysis output and conclusions to your document.
7. Create a PDF of your document.

Submission:

See Gradescope ic-14 for submission instructions.