

# BRUSHING AND LINKING LAB

In this lab, you will practice linking two visualizations that are representing the same dataset. You will be given a hierarchical dataset and four different data visualization demos. Your job is to 1) to incorporate two of the visualizations into a single page and 2) to manage interactions so changes made in one visualization will be reflected in another.

## Requirements:

1. Download the lab materials from the course website.
2. Open the html file with a text editor and add your name(s) to the comments section.
3. Find `js/hierarchy.js`, which contains the dataset in JSON format. Familiarize yourself with the dataset: what is the type of each attribute (nominal, ordinal, quantitative), what is the data representing, what questions might a user have about it?
4. Visit the web pages listed below.
  - a. Treemap: <https://bl.ocks.org/mbostock/4063582>
  - b. Sunburst: <https://bl.ocks.org/mbostock/4063423>
  - c. Icicle: <http://bl.ocks.org/mbostock/4347473>
  - d. RT Radial: <https://bl.ocks.org/mbostock/4063550>
5. Pick your two visualization up front.
6. Incorporate these two visualizations into the provided html under the divs `hierarchy1` and `hierarchy2`.
7. Introduce at least one user interaction, where changes made in one visualization will be reflected in the another.

## Due Date:

March 6th, 2018 at noon via the provide.

- Zip all files necessary to run your demo.
- Make sure that after unzipping, the graders can run your demo just by opening the html file with a web browser. We'll be using Chrome.
- In addition to your zip file, submit a plain text file named `team.txt` where you simply list your and your partner's full names and cs login names and add a mark next to a name indicating who is submitting the main zip file.
- Note that while one of your team members submits a zip file and `team.txt`, the rest of team members submit only `team.txt` via the provide.

```
$ provide comp177 linkinglab {your_cs_id}.zip team.txt
```

```
$ provide comp177 linkinglab team.txt
```