CS/INFO 3300
Project 2
Due 11:59pm Thursday 4/24

This project will be almost exactly like Project 1, but you are now required to use dynamic, interactive elements. Changes from Project 1 are highlighted in bold.

There are two parts, a d3-based data visualization (70 pts) and a written description of your visualization (30 pts). Teams of three have been assigned. Turn in a .zip archive containing the following files. Include an HTML page called index.html. Include data in JSON format as a separate file. Include any libraries or third-party code in separate files. Include a PDF document containing your write-up.

1. Visualization. We will grade the following elements. We will consider the creativity of each of these elements ("don't bore the judges"). You can show us a prototype at any time if you would like feedback (write to mimno@cornell.edu).

A. Complexity of the data. Find a dataset that is manageable, but avoid trivial data. There should be more than two variables, for example. (10 pts)
B. Technical correctness. The code must actually do what you intend it to do. We also prefer good style in coding: use informative variable names, consistent indenting and whitespace, and informative comments. (20 pts)
C. Appropriate mapping from data to aesthetics. Use scales appropriately for variables. (10 pts)
D. Interactive elements. You should use some combination of animation, interactive controls, or APIs to present different views or subsets of the data. (10 pts)
E. Usability. Someone viewing your work should be able to understand the data values represented in the visualization easily and accurately. (10 pts)
F. Aesthetic quality. We don't want to judge a book by its cover, but aesthetics matter. Your clients will make snap judgments about the quality of your work based on its appearance, so put some time into polishing the look. Choose appropriate fonts, colors, and visual details. (10 pts)

2. Write-up. There are no specific page or word limits.

A. Description of the data. Report where you got the data. Describe the variables. If you had to reformat the data or filter it in any way, provide enough details that

someone could repeat your results. If you combined multiple datasets, specify how you integrated them. Mention any additional data that you used, such as shape files for maps. **Editing is important! You are not required to use every part of the dataset. Selectively choosing a subset can improve usability. Describe any criteria you used for data selection.** (10 pts)

B. Mapping from data to visual elements. Describe the scales you used, such as position, color, or shape. Mention any transformations you performed, such as log scales. (10 pts)

C. Tell the story. What does your visualization tell us? What was surprising about it? (10 pts)