Due: 10pm, 4/12/2015 (Sun, EDT)

1. An interactive visualization (2 points)

Construct a beautiful treemap using the following data set and D3.

- https://hivelab.org/static/coffee.csv

The following links would be helpful.

- http://bl.ocks.org/mbostock/4063582
- http://bost.ocks.org/mike/treemap/
- https://github.com/mbostock/d3/wiki/Treemap-Layout
- https://github.com/mbostock/d3/wiki/Arrays#-nest
- http://bl.ocks.org/phoebebright/raw/3176159/
- http://stackoverflow.com/questions/18322327/d3-treemap-json-data-format

The resulting visualization should have at least one interaction feature (e.g., zooming and details on demand).

The URL to the page should be updated on the following page using pull requests under the section of HW4 as you did for HW2 and HW3:

http://yijisoo.github.io/ie59000/2015spring/

2. Group Project (2 points)

Based on the previous results of the group project. Please develop a web page using D3. The goal for this stage is to attempt to develop a beta D3 visualization, so that you can soon launch the resulting visualization to the public.

1) Based on the visualization created in HW3, create an information visualization page using D3. (1 point)

2) Implement a Google Analytics on the web page. (0.5 point)

3) Implement a commenting service on the visualization, so that visitors to your visualization can leave comments. The following URLs will help. (0.5 point)

- https://help.disqus.com/customer/portal/articles/472097-universal-embed-code
- https://developers.facebook.com/docs/plugins/comments

While doing this, please do not remove previous contents you generated from HW2 and HW3. Please show the whole story of how you survey data sets, select a data set, and visualize the data set on a single website. You can have multiple pages if necessary.

3. (Optional) Refer to Q3.1, Q3.2, and Q3.3 of Exam 1, create bar charts according to its instruction. You can get up to 80% of original credits, which will replace your original credits you got in Exam 1. However, this time, you should use proper data manipulation functions we learned during the week of 3/23/2015.

Q3.1: 24 points
Q3.2: 8 points
Q3.3: 16 points