HW 3
Due Date: Feb 26, Monday, 11:59pm (10 points)

You will choose one topic for presentation. The presentation will be on D3 V4 code that has already been created and exists on the web for one specific example.

The topic of presentation could be any of the following:

1. D3 Advanced Layouts

2. GeoSpatial Mapping

3. Outstanding Examples on the web with Innovative Visualizations

4. A topic that focuses on a specific task (such as creating different types of sliders or buttons or timelines) or a topic that focuses on creating different types of coloring schemes etc. [In this case, it is possible that you may choose more than one example/source on the web]

5. Any other example or tutorial that you consider worthy of attention

Your topic must be approved by the instructor. Choose a topic or an example commensurate with your skills. Easy topics may earn only partial credit.

Submission Requirements (on canvas):
1. Code added with extensive *comments* to demonstrate your understanding of the code + extensive *console.log* statements added to demonstrate the outcome of intermediate steps. Please also add your full name as a comment at the top of every file that you submit. (Optional) In addition, you may add additional code with different parameters to demonstrate alternative useful outcomes.

2. (optional) You may add a weblink where you may have hosted additional tutorial-like information or presentation related to your submission. This additional information should not be in lieu of comments + console.log statements that are already within the code. Additional information should not duplicate what is already included in the code. Additional information could be added only if it provides truly additional value to your presentation. If you do use additional weblink, provide this weblink on canvas *and* add this link as a comment to youy main code file.

Approval Process
No example/topic will be repeated. Topics will be awarded on a first-cum-first-serve basis. You will be required to propose the topic by filling out a Google form:
https://goo.gl/forms/YhWUBIavCihd4oj43
The google form is set to **accept submissions using your ucsc email**. You can submit once, and make modifications to your submissions afterwards.

You can view (but not edit) the submissions by all students at the following Google spreadsheet:
https://docs.google.com/spreadsheets/d/18NbKt8u3JSKPnuoLevrnZFjc0w6mG80vJe-hL5Vs8VE/edit?usp=sharing

In addition, you are welcome to discuss the topic with the instructor in person and/or send him an email.

Presentation
All presentations will be done either in the class or after hours (described below) or 1-1 with the instructor in exceptional hardship circumstances. Due to limited class time, it may not be possible to squeeze all the presentations in the class. Furthermore, some presentations may be permitted for a shorter duration of anywhere from 2 minutes to 10 minutes. All class presentations will occur on one of the four class timings: Feb 20, 22, 27, and March 1. Presentation to the instructor will be scheduled on March 3, Saturday, from 9am until done in a classroom on campus. All students will be invited. Students will also have an opportunity to view these presentations. Some bonus points will be awarded for students who choose to attend these presentations.

Bonus Points
Early/Late Bonus Points
2 Bonus Points if submitted before Feb 19, Monday, 11:59pm and willingness to make a presentation on Feb 20 in class;
1 Bonus Point if submitted before Feb 21, Wednesday, 11:59pm and willingness to make a presentation on Feb 22 in class;
 -1 Late Points if submitted before Feb 28, Wednesday, 11:59pm
-2 Late points if submitted before March 2, Friday, 11:59pm

Extra Credit Bonus Points (upto 5 points)
If you choose a particularly compelling (or difficult) example, and/or provide significant additional effort (comments, console.log statement, additional code, or insight), then you may receive up to 5 Bonus points.