Theme:
- design a dashboard and tell some data stories with it
- you will have two options

Option 1: the D3 option
- continue from lab 3 and implement your dashboard in D3
- implement interactive data brushing in linked views

Option 2: the plotly option
- reboot lab 3 and develop a dashboard using plotly
- implement data brushing by rerunning the python code
Theme: interactive story telling w/data via brushing and linking

- begin where lab 3 left off
- look into this page, this page, this page, or this page (and others found via Google) to learn how brushing and linking is implemented in D3

Do the following (60 points total):

- pick 4 (or more) of the lab 1, 3 visualizations and put them on a single webpage (select those that go well with your data) (10 pts)
- implement 2 meaningful brushing and linking interactions (select, filter., highlight, etc.) among them (10 points for each)
- design 2 interesting data “stories” that reveal some interesting relations in your data, then capture these in a video and discuss them in a report (10 points for each)
- gain 10 bonus points for a job well done
Use the plotly graphing library in your python code

What is plotly

- it’s an python open source graphing library
- makes interactive, publication-quality graphs
- scatterplots, bar charts, heat maps, and so
- supports all of the lab 3 python code
- points for every lab 3 functionality

Some links – use plotly version 3 (not 4)

- you can learn about basic plotly here
- getting started to use plotly within python
- learn about dashboards in plotly v3 here
Theme: interactive story telling w/data via brushing and linking
- begin where lab 3 left off
- rerun python code for updated plots after brushing

Do the following (60 points total):
- pick 4 (or more) of the lab 1, 3 visualizations and put them on the plotly dashboard (select those that go well with your data) (10 pts)
- implement 2 meaningful brushing (and linking) interactions (select, filter., highlight, etc.) among them (10 points for each)
- design 2 interesting data “stories” that reveal some interesting relations in your data, then capture these in a video and discuss them in a report (10 points for each)
- gain 10 bonus points for a job well done
Submit by Thursday, December 5, 11:59 pm

- report about your findings
- voice-narrated video that shows all capabilities of your interface
- archive file (zip, rar, tar) of your code and data
- all submissions on blackboard