Class #3 -- 16 Feb 2017

- Administrative tidbits
  - Did all students see discussion board interactions?
  - Were students able do the homework assignment?
  - 30-60 seconds for project ideas
- From jsfiddle to jsbin
  - https://github.com/umbcvis/fiddle
  - Show how to load bin.html into jsbin.com
- Assignment from last week
  - See: http://github.com/umbcvis/classes/tree/master/class-02
- Notes and demos for this class
  - See: https://github.com/umbcvis/classes/tree/master/class-03
- For class, discuss
  - The solution to last weeks assignment
  - Objects and object properties
  - Functions
    - Anonymous functions
    - Callbacks
  - Arrays
    - Introduce D3 API: https://github.com/d3/d3/blob/master/API.md
    - Introduce D3-arrays: https://github.com/d3/d3-array
  - Scope
  - Demo loading remote data by changing the URL to load USGS feed
- 3 Little Circles
  - http://bost.ocks.org/mike/circles/
  - Create an svg with 3 circles
  - Select them -- change their attributes
  - Anonymous functions -- element-specific changes
  - Binding data
  - Entering, exiting & updating elements
  - https://github.com/mbostock/d3/wiki/API-Reference -- API reference
- Assigment
  - Combine the earthquakes from the USGS real-time data feed with the US States.
  - Experiment with the styling and compare results from the different feeds
  - Put the results in a repo on your site and get it to work