MAP LAB

In this lab you will change the dataset that is being depicted in a D3 chloropleth visualization and polish the resulting display. Take a minute to look through the files that you've been given.

We will be using TSV data files, so you will need to be running a local server in order to open `openMe.html` properly. One way of running a local server is with Python's SimpleHTTPServer. To spin up a server, open your Terminal, navigate to your unzipped lab folder, and run the SimpleHTTPServer command. This will look something like:

```
$ cd Desktop/MapLab
$ ls
  tsv            openMe.html      js
$ python -m SimpleHTTPServer
  Serving HTTP on 0.0.0.0 port 8000 ...
```

Now, open your browser and enter `http://localhost:8000/openMe.html` as the url. You should see a chloropleth depicting unemployment rates. In the source code for `openMe.html`, you'll see that the map is pulling from `unemployment.tsv`. Your task is to use the same map to depict data from `drought.tsv`.

YOU ARE NOT ALLOWED TO MAKE ANY CHANGES TO DROUGHT.TSV

Here are some things that you can (and should) be doing:

- Change the name of `openMe.html` to `{your_cs_id}.html`.
- Look at both `unemployment.tsv` and `drought.tsv` and see how they're structured (hint: there is a field that appears in both files).
- Go to the US Drought Monitor site to figure out what the columns in `drought.tsv` mean: `https://droughtmonitor.unl.edu/`
  It's government data, so this is a non-obvious process.
- Think about how much you *love* this class!
- Think about whether the current color scheme is appropriate for depicting drought information (hint: it's not).
- You have multiple columns in `drought.tsv` as opposed to just one in `unemployment.tsv`. Think about how you can combine columns, add mappings, utilize tooltips and interaction.
- Remember that having a map that is interpretable is far more important than cramming every piece of data in at once.
- Come up with a new title (maybe a subtitle too!) that helps users understand what they're looking at.

Depicting a single column of data from `drought.tsv` in your chloropleth requires minimal code changes. Start there, then move on to incorporating other columns, changing the color scheme, etc. If you have extra time, take a closer look at how D3 is actually generating that map.

Submission: Due Tuesday 3/31 at 9am via:

```
provide comp177 maplab {your_cs_id}.html
```