Team Members: Ben Wedin & Thomas Redding
Project Title: State Status Stat
Repository URL: https://bitbucket.org/benwedin/cs257_webapp

User Population: People who want graphical representations of state statistics either at a single point in time or over a period of time. The motivation for this will probably be for personal amusement and presentation creation.

Intention:
We want to build a user-friendly website that creates an animation corresponding to the relative shift of various state-to-state population statistics over time. In particular, users should be able to determine the statistic(s), date-ranges, methods of normalization, and color scheme.

Datasets:
1. http://www.bea.gov
   a. public domain: http://www.bea.gov/about/BEAciting.htm
2. http://www.census.gov
   a. public domain: https://ask.census.gov/faq.php?id=5000&faqId=537
3. possibly other datasets if we are struck by inspiration

Both #1 and #2 are government sources that allow public access to their data. Both have data in excel and csv format.

Potential Features:
1. allow user to choose statistic
2. display a color-coded map of the states given that statistic
3. include various ways to normalize data such as by population size
4. create an animation of a color-coded map of this statistic
5. make state sizes proportional to statistic values for static map
6. make state sizes proportional to statistic values for dynamic map
7. allow user to plot multiple values using multiple colors and/or the size parameter
8. allow the user to save this as an animated gif (not sure if feasible)
9. we don't expect to do this, but it'd be cool if we could do 3d graphs