4/2/17
Wrote up the proposal.

4/7/17
Met to divide up tasks for the week. We arrived at the following list:
“Must do / do first:

- Upload data for all census tract sociodemographics: **Dan**
- Create parallel coordinates for census tracts: **Dan**
- Be able to make the 1000 foot circles disappear (after clicking on them?) and scale the radii of the circles: **Manil**
- Create minimap of Missouri at one of the corners of the heatmap showing where the user is zoomed in relative to the rest of the map: **Micah**
- Prevent the user from scrolling out of the range of the map: **Manil**
- Process book: **Manil**
- Change color gradient to be consistent (not blue to red): Micah
- Toggle radius: **Micah**

Optional:

- Make 1000 foot radius circles more exact: currently, the circle’s radius is an estimate based on two coordinates that are a certain known distance apart. The 1000 feet is calculated by scaling the distance between these coordinates. There are ways to get more exact measurements...search up the Haversine formula / great circle distance: **Micah, Manil, or Dan**”

We initially thought making radius circles more exact would be a “must do” task, but decided it wasn’t a priority.

4/11/17
Class about Evaluation. We realized that to help users we should include more data in our map, such as school/childcare facility names and maybe streets.
We decided to put the heat map and parallel coordinates next to each other so that users don’t have to scroll to see both. Whichever visualization of those two is clicked on will be enlarged, and the other will shrink (to so that they fit on the page).
Implemented radius slider.
Our website has progressed from a simple heat map (shown below) to multiple visualizations:

Percent with bachelor's degree | Percent receiving food stamps | Median Income