# Assignment 4 interaction

## Until now, we have explored how to merge numerical data and geo-based map together. We also have tasted the color matching and been demonstrated interactive effects like “mouseover” and “onclick”.

Let’s improve the map and make it more robust.

1. In this assignment, you need to achieve a function, which allows the users update(see) one more different dataset visualizations on the same map.

EX. Now your map is visualizing the income for each county, you may want the users to see the living cost (if the data hub provides)

You can implement a button or a switch or any css component to make it come true.

1. Interactive effects (Click to see more information)

Literally, click the path and pop-up a tooltip with advanced information. (where should I get the advanced information? Check your csv spreadsheet. Here you can see why we don’t want to manually change the original data)

1. Remember we have introduced how to make bar chart or pie chart? Put one chart on side corresponding to the county data.

The requirement is straightforward. When the user mouseovers the path (any specific county), the county’s data in the chart should be highlighted (color change is a basic way but not restricted to this effect)

DUE March 4th.