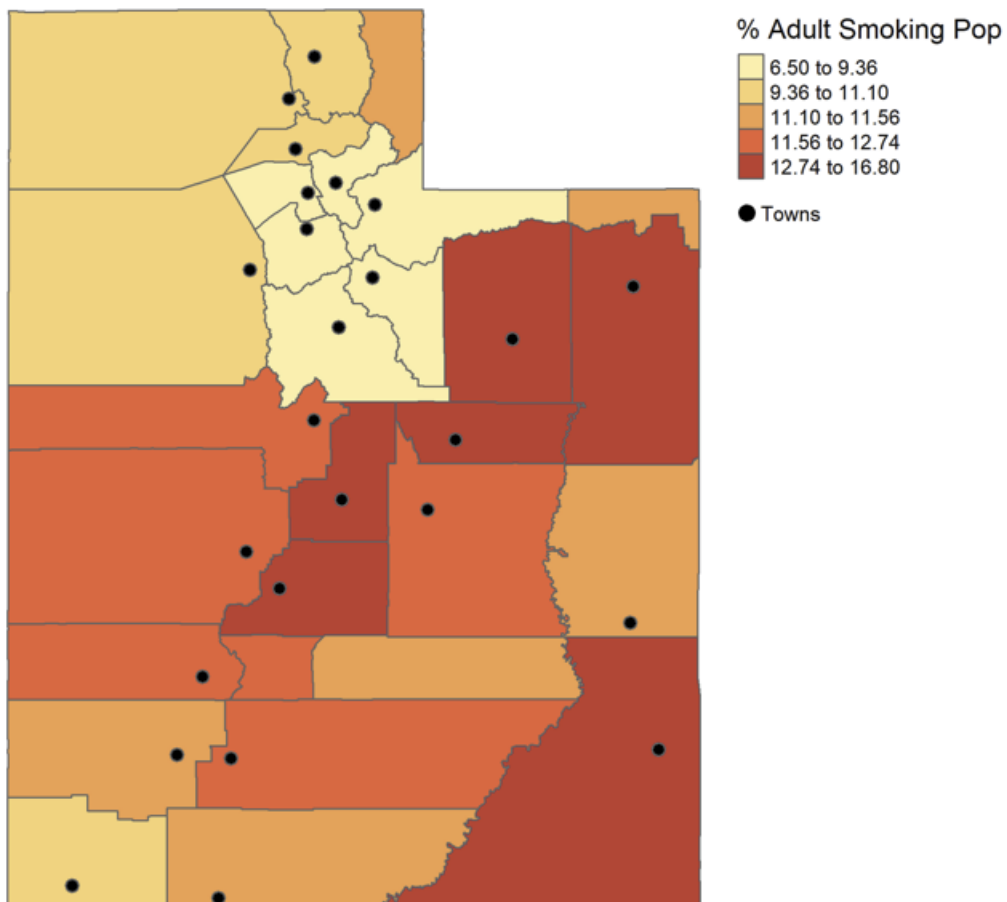


Jacob Lattin
W4 Exercise

Task 1 Sequential:

Data and Code added separately.

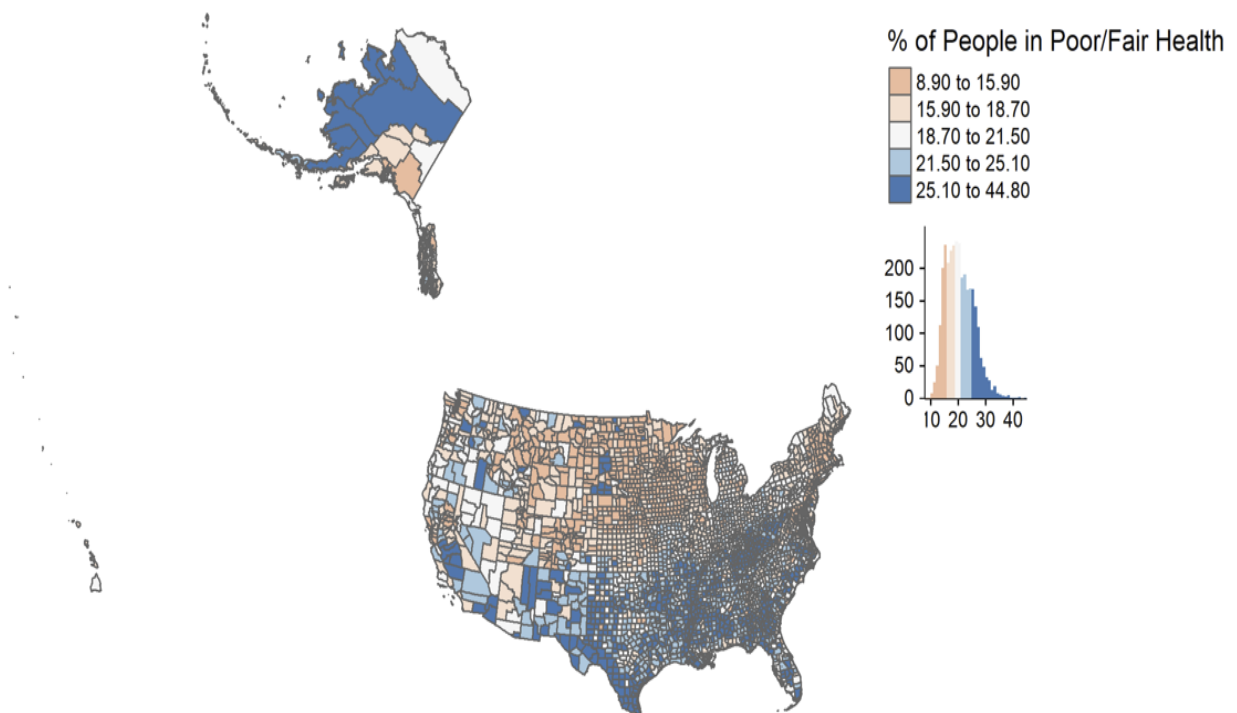
Map: As you can see, for the sequential map I chose to map out counties instead of tracts. In this map we see the percentage of adults in each county that smokes. Instead of roads as a reference point I included Towns as a reference point, though I was not able to create labels inside of T_Map. Surprisingly, it appears to be more of the rural counties in Utah that have a higher smoking percentage compared to the more populated counties in the north of Utah.



Task 2 Diverging Map:

Data and code will be added separately on Canvas.

Map: In this map, we are mapping the percent of people in poor/fair health in each county across America. Though it is not an index, we can still see the split across the national average. In this case, it might have been better to flip the color palette in order to signify that the higher percentage is actually worse than the lower percentage, but none of the palette styles available seemed to be able to portray this. After looking through the options of the RColorBrewer palette I decided to keep the original palette simply because I could not find a better one.



Task 3 Facilities:

Data and code uploaded separately.

Map: In this map, I downloaded some earthquake data from the Utah State GIS website. I centered this map onto Salt Lake City. As we can see from the legend, we are mapping the Epicenter Quality. The data is data of all earthquakes that have taken place in Utah. Frankly, I am not entirely sure what that means but I could not find a legend for the data that explained the different attributes. Nonetheless, I think this map accomplishes the goal of showing a qualitative color scheme.

