Coastal vs. Inland Poverty

The main objective for this project is to answer the question, ‘What are the coastal county poverty rates compared to the inland county poverty rates?’

I’ve found some interesting facts while working on this project.

The first visual
American Povery as a Whole:

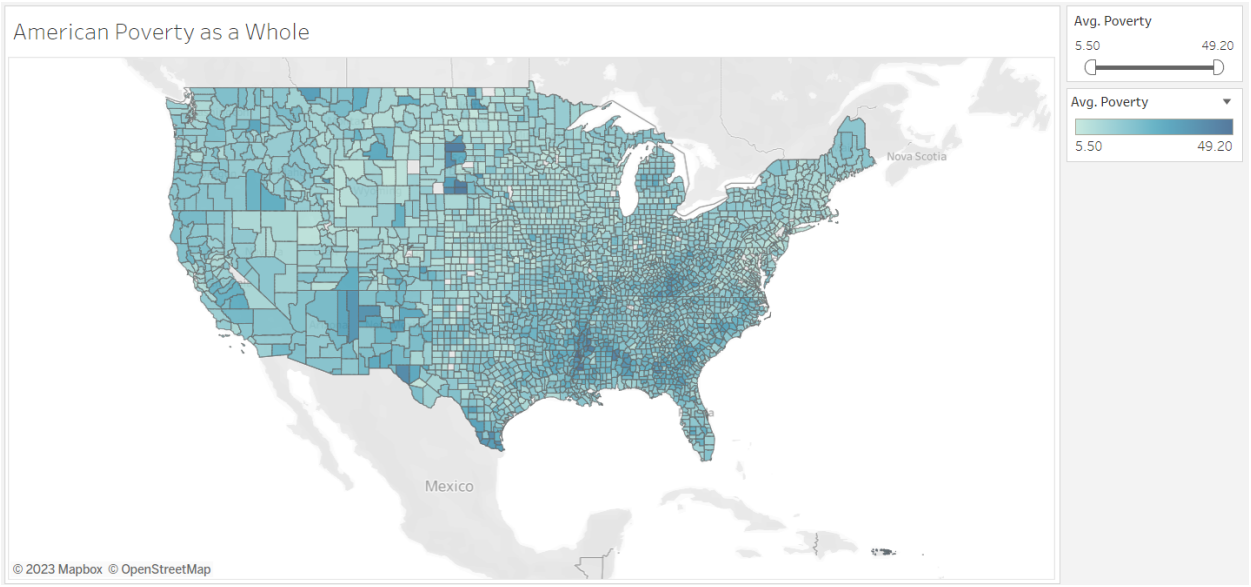


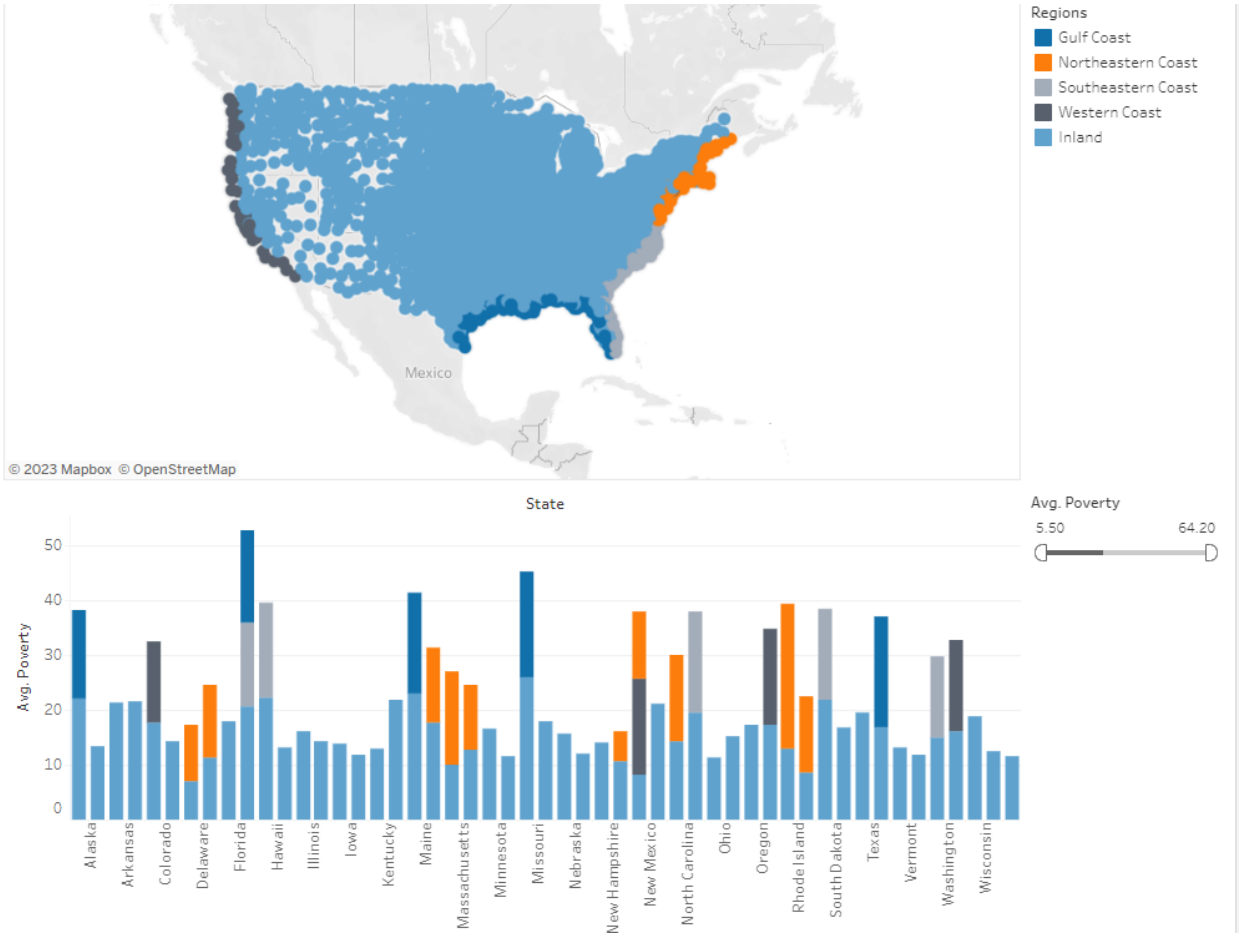
Tableau link:
https://public.tableau.com/app/profile/laneva.cobb/viz/CoastalPovertyvs_Inland/Sheet14

As you move the Average Poverty slider, you begin to see the story of how poverty affects the country as a whole. If you move the first slider marker to the end of the range (right) then slowly move the marker back to the left, you begin to see the poorest of our nation. Notice as you move the marker, counties in the southern begin to populate with color. There are no coastal counties colored until the lowest poverty rate of **22.9%**.

I thought it would be interesting to see how the different coastal regions fare against the rest of country (Inland). I divided the coastal areas into (4) regions:
Northeastern Coast,
Southeastern Coast,
Gulf Coast,
Western Coast.

Resources: N/A, only using the data provided

I created the Dashboard: Coastal vs. Inland Poverty to illustrate these findings. https://public.tableau.com/app/profile/laneva.cobb/viz/Coastalvs_InlandPoverty/Dashboard1_1#2



I moved the first slider marker to the far right as mentioned before and noticed something quite intriguing. As I moved the first marker slowly back to the left, the first coastal area to appear on the map was the Gulf coast at around **31.2%**. I continued to slowing move the marker to the left and the next coastal region to appear was the Northeastern coast, specifically Bronx county in New York City at **29.8%**. I was quite surprised to see this even though I am aware of there being impoverished areas in the North. I expected to see the Southeastern coast appear next.

I excluded **Puerto Rico, Alaska, and Hawaii** from the dataset as I wanted to concentrate on the continental US. I included the bar chart to demonstrate how the states are affected.

Resources: N/A, only using the data provided

Another aspect I thought would be great to see what the poverty rates are by race.

I created the Dashboard:
https://public.tableau.com/app/profile/laneva.cobb/viz/ByRaceDashboard/Dashboard2

One thing was really glaring. I noticed the white poverty average is significantly higher than the other races. I'm wondering if this is due the US average population of whites being at **75%** . It appears the average poverty rates are correlating to the population, which makes perfect sense. I was able to get the white population average by averaging the raw data provided.

I duplicated the bar chart as a crosstab because I thought it would look great as a pivot table. I place the pivot table at the top. It make a much profound impact on the visualization by viewing the numbers in a traditional tabular format then view the same data with bars and colors.

Resources: N/A, only using the data provided