Udacity Project 4: Tableau

Insight 1: Transportation in the Southwest:
https://public.tableau.com/views/UdacityProject4USCensusData/Transportation?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

- Here I wanted to find the most common mode of transportation 5 states in the Southwestern region of the United States. From the stacked graph we can see that for across all 5 states driving is the most common mode of transportation. After the first submission, I edited this visualization to be more readable for users with colorblindness. I discovered that Tableau specifically has colorblind accessible palettes.

Insight 2: Unemployment in Illinois:
https://public.tableau.com/views/UdacityProject4USCensusDataUmemploymentinIllinois/Sheet2?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

- In this map we can see the average unemployment rate broken down by county in the state of Illinois. We can see the two counties with the highest unemployment rates are located in southern Illinois. The county with the highest unemployment rate is Hardin with an 18.10% average unemployment rate.

Insight 3: Population and poverty across the United States:
https://public.tableau.com/views/PopulationIncomeandPovertybyState/Dashboard2?:language=en-US&:display_count=n&:origin=viz_share_link

- After the feedback I changed the story into a dashboard with filtering. This allows you to pick a state and immediately see the population, poverty level and income level for that state. In this we see California has the highest population at 38,421,464. Followed by Texas 26,538,614 then New York 19,673,174. Next we take a look at poverty by state. For this bar chart, I sorted it from higher to lowest to easily see which has the highest poverty. We see that Texas has the highest poverty rate across all states and territories followed by Puerto Rico. The last visualization shows the median household income across the United States. Here we see Texas in dark red, meaning it has the highest median household income. From these 3 visualizations, we can see that Texas does has one of the highest total populations, poverty rate, and median incomes. However, the same does not hold true for the other two states with high total populations, California and New York.