Thayne Campbell Data Visualization Project. Link to Tableau Story:

https://public.tableau.com/app/profile/thayne.campbell/viz/datavis_project_TC/ChildPovertyRatesAcrossTheUSA?publish=yes **(please view in full screen)**

Insight 1 – link:
https://public.tableau.com/app/profile/thayne.campbell/viz/ChildPovertyDashboardTC/ChildpovertyDashboard?publish=yes

- _Summary:_ From this map, we can see that most cases of child poverty are found in the Southeast and Midwest parts of the Country, namely Georgia and Missouri.

- _Design:_ I chose a map for this particular visualization as I thought it would be easier to group states by region in this manner. The geography of the data itself can always be insightful. The Bar graphs I chose to easily show competing figures between states.

- _Resource:_ Youtube

Insight 2 – link:
https://public.tableau.com/app/profile/thayne.campbell/viz/UnemploymentVSChildPovertyDashboardTC/UnemploymentvsPovertyDashboard?publish=yes

- _Summary:_ From this visualization we can see that, using the heat map, unemployment rates are also concentrated in the South/Southeast and Midwest regions. Adding the circle chart with the trend line shows a clear correlation between the unemployment and child poverty rates.

- _Design:_ I chose a map again to see if the geography would show any more insight than a bar graph. The trend line chart I chose as I found it to be the strongest visual to show correlation.

- _Resource:_ Youtube

Insight 3 – link:
https://public.tableau.com/app/profile/thayne.campbell/viz/IncomeVsUnemploymentDashboardTC/AverageincomevsUnemploymentDashboard?publish=yes

- _Summary:_ Here we can see that, unlike the unemployment and child poverty rates, the average income per state and unemployment rate per state do not share as strong a correlation. It might be easy to assume that states with higher average income would have much lower unemployment rates (which is mostly true), but some states rank highly in both columns.

- *Design:* I chose the Bar graph in this instance as an easy indicator of those states with the higher average income, while the circle graph on the map I chose to keep in theme with the focus on the regions of the US. I find geographical relations to data very interesting.

- *Resource:* Youtube