Summary:

The purpose of this project is to perform analysis of the US census. I started by downloading the data from the provided link then I chose the 2017 census to work with.

Insight 1: Which state has the best transportation?

https://public.tableau.com/app/profile/s.b4707/viz/bestaveragetransportation/bestaveragetransportation?publish=yes

This treemap shows a distribution of average transit time by state. The state with the best average transit is DC (35.4) and the lowest is Nebraska (0.2).

Insight 2: Which State has the biggest total population?

https://public.tableau.com/app/profile/s.b4707/viz/2017Populationbreakdown/Populationbreakdown?publish=yes

This Dashboard includes a map that shows the distribution of the total population over the United States in 2017. It also includes a bar graph of the breakdown of the population by state and county. The map can be used as a filter for the bar graph.

The map shows the distribution of total population by state. From this visualization, it appears that California had the biggest total population of 38,982,847.

Wyoming had the lowest total population of 583,200.

I chose a brown color gradient to be accommodative of color blindness.

The bar chart shows the distribution of population by county in each state. The county with the biggest population in California is Los Angeles with 10,105,722.

I chose a simple bar chart with no shadows, multiple colors or 3d depth to be more visually appealing. I also included a tooltip that measures the percentage of each county's population from the total population along the table.

Insight 3: The relationship between unemployment and poverty considering child poverty

https://public.tableau.com/app/profile/s.b4707/viz/unemploymentandpoverty_16853287043210/unemplymentandpoverty?publish=yes

This scatterplot shows the relationship between unemployment and poverty considering child poverty. The graph indicates a strong positive relationship between unemployment and poverty, child poverty has a positive relationship too to the other two variables indicated by the color gradient.

No Resources were used.