Data Visualization

Project: Build Data Dashboard - US Census Demographic Data

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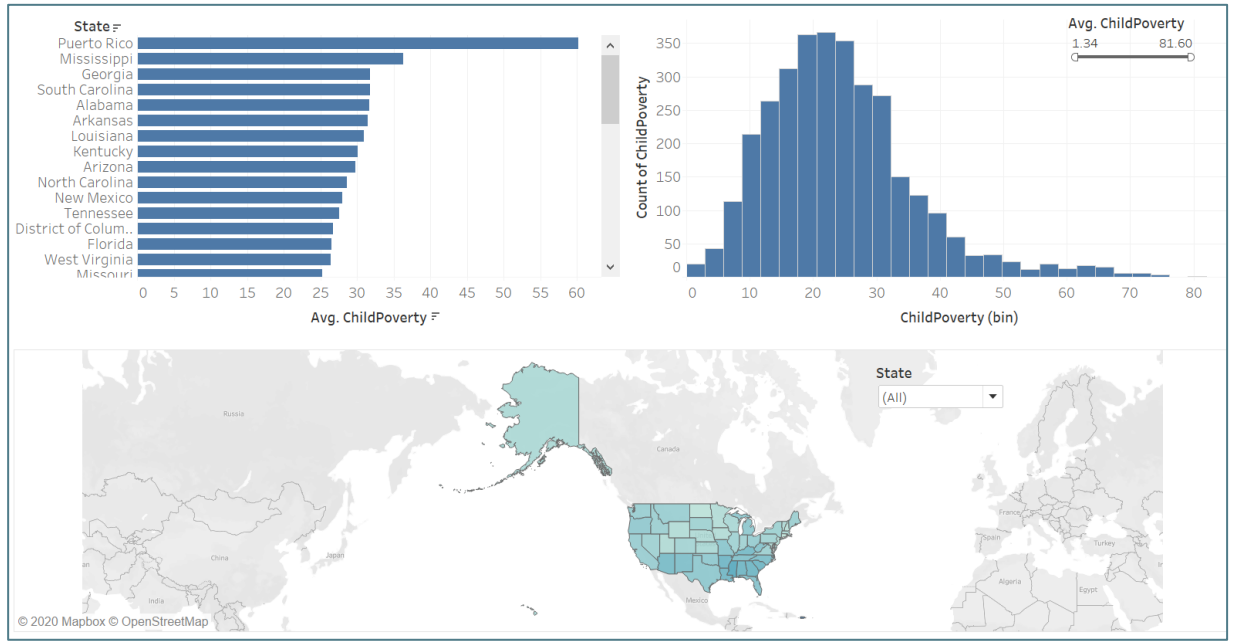
Insight 1: Child Poverty in the United States

Tableau Link:
https://public.tableau.com/profile/feda.abidrabbu#!/vizhome/BuildDataDashboard_Insight1/Dashboard1?publish=yes

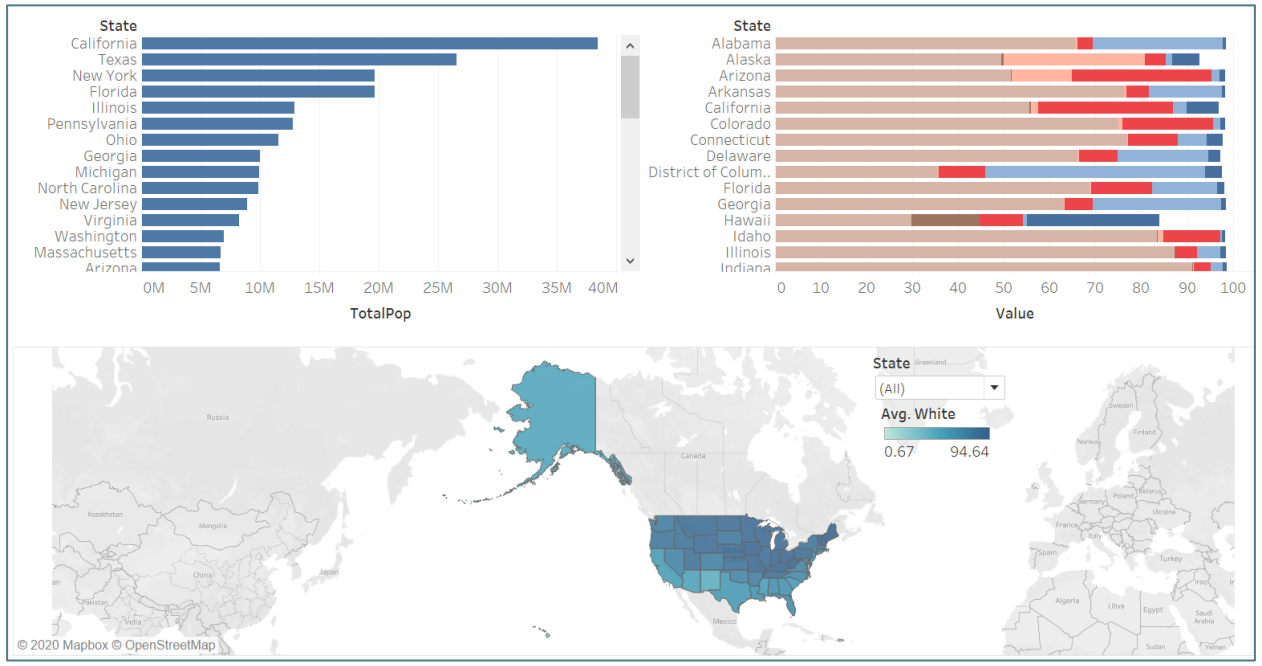


Summary:
The dashboard first start with the bar chart that visualize the average child poverty per states. Puerto Rico has the average number of children living under the poverty level 60.21, followed by Mississippi and Georgia. The Histogram shows the data distribution of the child poverty level for all states and for each individual state when using the bar chart as a filter.
The average child poverty across all states is 24.18 while the median is 22.7.
The Dashboard shows also the state and the average child poverty on a US map.

Design:
I have chosen Bar graph (suitable for Categorial data vs Quantitative data). The graphs are in Blue to make sure colour palettes should work for colorblindness. The Map makes the visualization and the location of States easier and more friendly. I used the Histogram to see the data distribution across the United States.

Insight 2: United States Population

Tableau Link:
https://public.tableau.com/profile/feda.abidrabbu#!/vizhome/BuildDataDashboard_Insight2/Dashboard1?publish=yes

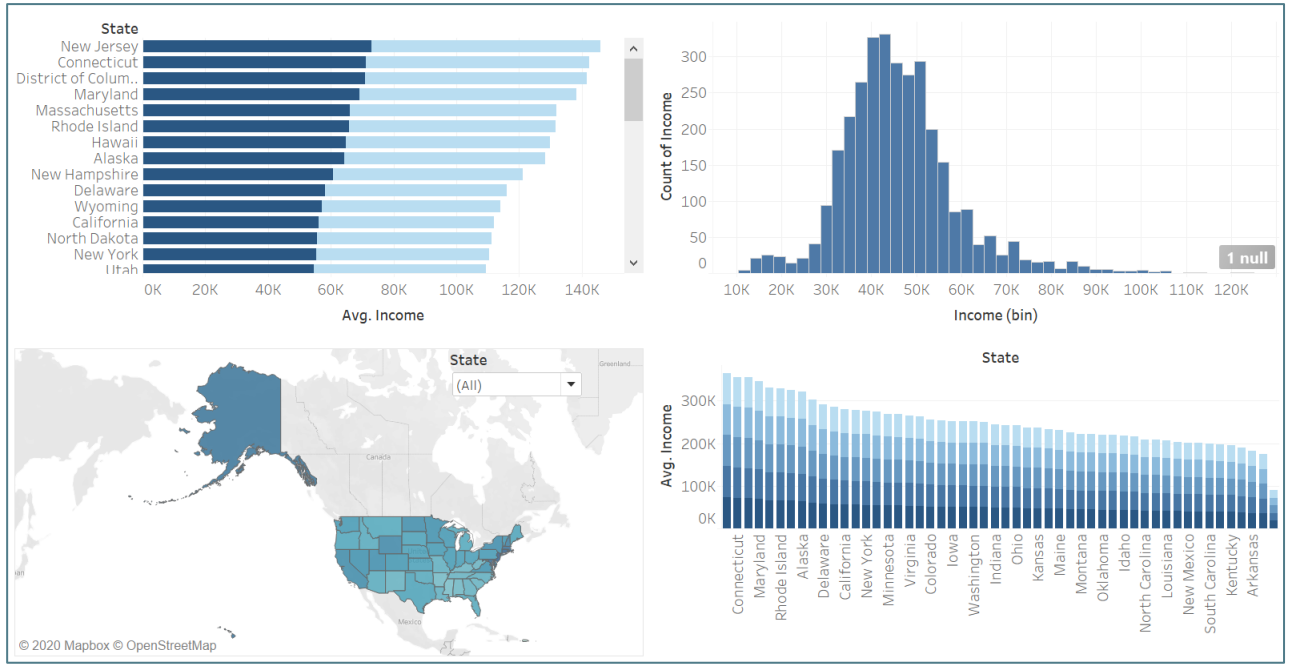


Summary:
This dashboard shows the total population across the States. California has the highest population 38Million, followed by Texas and New York. The dashboard also indicates which races live in which state, most of the average Asian & Pacific live in Hawaii, Black in District of Columbia, Hispanic in Puerto Rico, Native in Alaska, and White in Maine.
Most of the average races live in the United States are for White, Hispanic and Black people, therefore in the map you can located different state and see the average race for the top three. The filters can be used for detailed information about a specific State.

Design:
I have chosen Bar graph (suitable for Categorial data vs Quantitative data) and the Map for better visualization. The second bar chart is divided by colours to show the different race live in each States. The colours are in Blue, red and brown to make sure colour palettes should work for colorblindness.

Insight 3: Income in the United States

Tableau Link:
https://public.tableau.com/profile/feda.abidrabbu#!/vizhome/BuildDataDashboard_Insight3/Dashboard1?publish=yes



Summary:
This dashboard shows different analysis about the income in the united states. New Jersey has the highest income around 73K followed by Connecticut and District of Columbia, the bar chart also indicates the difference between women and men income. You can locate different states on the map as well. The histogram indicates the normal distribution across the united states, the average is 46K while the median is 44K. The dashboard also specify the average professions across the states.

Design:
I have chosen Bar graph (suitable for Categorial data vs Quantitative data). One of the bar charts is divided by different blue colour tones to show different professions in different States. The graphs are in Blue to make sure colour palettes should work for colorblindness. The Map makes the visualization and the location of States easier and more friendly. I used the Histogram to see the data distribution across the United States.

No external resources were used – N/A