

Link to tableau story:

[US Demographic Data](#)

Insight 1:

Link: [Best Transportation](#)

Summary: I used the bar chart visualisation to find the best transportation by State. We can see District of Columbia(37.40%) is at top and Kansas(0.22%) is at bottom. On the right side is the parameter control where we can put the desired numbers and see the number of top and bottom states according to their average transit.

Design: Bar Charts are useful to show categories with corresponding numerical values.

Resources : N/A

Insight 2:/New worksheet

Link: [Child Poverty Top 10 | Tableau Public](#)

Summary: In addition I have added a child poverty symbol map with the filter to demonstrate top 10 poverty states. In the map we can see different states with average poverty. In the scatter plot there is a positive correlation between poverty and unemployment. As unemployment increases poverty increases too and vice versa. Puerto Rico has the highest avg poverty of 48.97 and avg unemployment of 18.90. The District of Columbia shows 47.67 %income per capita as highest and Puerto Rico shows 9.618 income per capita as lowest.

Design: Symbol map: Because it is used to show location or other form of data that can be applied to geographical locations.

Resources: N/A

Insight 3:/New Dashboard

Link: [Ethnicity Distribution](#)

Summary: Further I have added an ethnicity distribution dashboard showing the highest and lowest white average in Maine as 94.19 and in Hawaii as 29.40 respectively .I was curious to find if a relationship exists between men:women ratio poverty. I found there isn't a commonality or a trend that establishes a direct relationship between these two variables. Included a tool tip too where we can see total population, men ,women.Where it clearly reflects there is a balance between genders.

Design: Tree map : Because it is helpful to visualise a large number of categories. The rectangles represent states in the US with average White.

Horizontal bar chart: Because it can represent the category names in a straightforward manner.Removed the red and green colour from horizontal bar chart keeping colour blindness in mind.

Resources: N/A