

Insight #1

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The scatter plot shows a negative relationship between child poverty and income by state and county, which means that as income increases, the poverty decreases. The trendline shows a R-squared value of 0.574321. This means that about 57% of variability in poverty can be explained by unemployment. Also, r is 0.76 which means that there is a moderate correlation between child poverty and income.

The scatter plot shows a positive relationship between child poverty and unemployed by state and county, which means that as unemployment increases, the poverty increase. The trendline shows a R-squared value of 0.455764. This means that about 46% of variability in poverty can be explained by unemployment. Also, r is 0.68 which means that there is a moderate correlation between child poverty and unemployment.

Insight #2

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The stacked bar graph shows the modes of transport: driving, transit, walk, other transport, carpool by state and county. The line graph shows the average employed by state. This helps understand the mode of transportation to the employment. For example, District of Columbia has high employment, but has 33% driving, 37% transit, 6% carpool, 13% walking, and 5% other transport

Insight #3

[Dashboard Poverty Deepti Tableau Project - D Kona | Tableau Public](#)

The Dashboard - Poverty in America shows various insights about poverty in USA. All dashboards can be filtered by state and average poverty, for more focused evaluations.

The stacked chart shows the racial distribution of white, black, Asian, native, pacific, and Hispanic by state. The average poverty line graph on the dual axis shows the poverty by state. This dual axis chart helps analyze closely the racial profile of a state with high, low and moderate poverty.

The income and poverty chart helps compare the relation between average income and average poverty level by state. As expected, when the average income is high, the average poverty is seen to be low.

The map of unemployment and poverty helps us spatially evaluate the areas with high unemployment and the poverty level in the states. The darker shaded areas have high unemployment and also show a higher poverty level. The states can be filtered to your selected choice and the county level data helps you take a closer look at the counties with high unemployment.

The color choices for the graphs have been orange and blue for the ease of seeing distinct color gradation in the visuals.