

DATA VISUALIZATION PROJECT

Insight 1

<https://public.tableau.com/profile/rawlings5789#!/vizhome/performanceofconstructionindustryineverystate/Scatterplotofthestatusoftheconstructionindustry?publish=yes>

From the map and scatter plot, the average percentage of people working in construction is highest in the state of Nevada (17.93). However, the average income of people working in construction in Nevada is only 53,690. On the other hand, the District of Columbia has the lowest average percentage of people working in construction industry (2.90) and yet it has an average income of 70,848. New Jersey has a low average percentage of people working in the construction industry (7.95) but it has the highest average income earned (73,014).

This indicates that the construction sector in the New Jersey and the District of Columbia has room for growth. On the other hand, the construction sector in Nevada has stagnated. Hence, to increase the chances of success in the construction sector, one has to move to New Jersey and the District of New Columbia as opposed to Nevada.

I chose a scatter plot with color scheme with colors from the blue to orange palette to be sensitive to the color blind. This is to avoid moving from red to green without using another element to distinguish the changes in the visualization.

Insight 2

<https://public.tableau.com/profile/rawlings5789#!/vizhome/Numberofpeoplethatdriveperstate/Numberofpeoplethatdrive?publish=yes>

The bar chart and the map show that the states of California (2,833,052,637) and Texas (2,129,537,061) have the highest number of people that drive or commute alone in a car, van, or truck. Californian also has a total income earnings of 3,248,763 and Texas has 11,826,682. On the other hand, District of Columbia has the lowest number of people that drive 21,820,211 and it has a total income of 70,848. This suggests that people with more income are likely to drive themselves or commute alone in a car, van or truck.

I chose a bar chart which is favorable for making comparisons of quantitative data as indicated by the proportionality to the length of the bars.

Insight 3

<https://public.tableau.com/profile/rawlings5789#!/vizhome/Incomeandpovertylevelsacrosscounties/Incomeandpovertyacrosscounties?publish=yes>

From the map and the bar chart, Washington County has the highest poverty level (485.8) compared to other counties in the US. However, it has a high income average (48,727). This is as opposed to Jackson County which has a low poverty level (462.8) but still has a lower income average (42,969) than Washington County. This suggests that Washington County has a high income disparity, where only a few people have high income while the rest of the people have a low income.

On the other hand, Borden County has the lowest poverty level (4.2) with an outstanding average income (73,750). This indicates that most people have a high income.

I chose the color blue for the bar chart as opposed to colors such as yellow, or red or green which are too provocative thereby distracting the viewer from the message displayed in the visualization of poverty levels and income average across counties in the US.

Resources

Not applicable