

Insight 1

A story about Transportation in the US

Story name: Transportation

Story link:

https://public.tableau.com/views/US2015CENSUSDataAnalysisbyAhmedNeama/Transportation?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Summary:

1- I think the best way to convey a good transportation system across states is considering the states with the lowest average mean commute time since it is the most important how much time it takes a person to get to their work.

2- Going through the story points one by one we get to the following conclusions:

Story point 1:

Plotting of average transit percent Vs average mean commute percent and noticing district of Columbia aka (Washington D C) is an outlier, maybe because it is the capital, it is so crowded because of its very small area and so many people coming to it daily from other states regardless with its own population which is so low compared to other states, and it has very high average public transit (37.6%) than other states to serve that crowd.

Story point 2:

Exploring the relation between mean commute and different transportation methods, we notice as the avg transit or drive percent increases, the mean commute time increases, and the opposite happens with other transportation methods. We also notice that the majority of people across most of the states drive their own cars (mostly above 65%).

Story point 3:

Those are the best 10 states which have the lowest mean commute times with Alaska being the best with an average commute time of 11.2 minutes

Story point 4:

Visualizing the best 10 states in mean commute time in map whilst looking at the population, we notice that those states have relatively small population, large areas and mostly far from the coast, which do make since they have the least mean commute times!

Story point 5:

Comparing how people go to their work across states. Public transit is the highest in DC and People like to walk to their work in Alaska, Hawaii and DC the most.

Insight 2

A dashboard about Poverty in the US

Dashboard name: Poverty

Dashboard link: [US 2015 CENSUS Data Analysis by Ahmed Neama | Tableau Public](#)

Summary:

Exploring dashboard charts we find:

Chart 1:

A scatter plot between average poverty percent and average income indicating an inverse relationship which is reasonable. Adding the average percent of people who work in construction as a third dimension we notice that states with very high income has low percentages of people working in construction.

Chart 2:

A bar chart indicating the poorest 10 states with Puerto Rico being the poorest (49.37%) which is so much higher than the next state (Mississippi 25.72%)

Chart 3:

A map conveying the relation between poverty percent and unemployment percent across the states.

We see a direct relation between the poverty and unemployment percentages.

We also notice that poverty increases as we go south, and states far from the coast have less poverty percentages!

Insight 3:

A story about Races in the US

Story name: Races

Story link:

https://public.tableau.com/views/US2015CENSUSDataAnalysisbyAhmedNeama/Races?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Summary:

As we go through story points to explore how races are distributed across states, we find:

Note: I used the filter in each story point to get a better view of the distribution and maxima whenever it's not clear enough.

Story point 1:

Visualizing percent of each race with respect to states, White people are the dominant race in nearly all the states.

Story point 2:

Visualizing White people percentages across states. Maine has the highest percent 94.64%.

The majority are in the middle and northern states.

Story point 3:

Visualizing Black people percentages across states. District of Colombia has the highest percent 48%!

The majority are in the southeastern states.

Story point 4:

Visualizing Pacific people percentages across states. Hawaii has the highest percent 14.74%

The majority are in the western states.

Story point 5:

Visualizing Hispanic people percentages across states. Puerto Rico has the highest percent 99%

The majority are in the southwestern states except for the major one_ Puerto Rico_ which is in the far southeast.

Story point 6:

Visualizing Asian people percentages across states. Hawaii has the highest percent 28.9%

The major percentages are in the west.

Story point 7:

Visualizing Native people percentages across states. Alaska has the highest percent 30.75%

The majority are more in the west.