

Insight1

https://public.tableau.com/app/profile/abdelrahman.elnagar/viz/USDemographic_16521953874650/Dashboard1#1

This dashboard demonstrates the US demographic map with a number of aspects that represent the demographic nationally and state by state such as the ethnicity group, gender, population and the number of citizens. From the map, we can indicate the population per state. California was found to be the state with the highest population of 35,421,464 while Wyoming has 579,679 as the lowest population. Moreover, nationally the percentage of women is slightly higher than men which are found to be 50.81% and 49.19% respectively. The number of citizens nationally was found to be 225,190,931 citizens while the non-citizens had 94,907,163 from other types of resident permits.

Moving to the ethnicity group, for the white group, the state of Maine has the highest rate with 93.86% of the state population while Puerto Rico has the lowest rate with 0.69%. For the Black ethnicity, the District of Columbia has the highest rate with 48% and Puerto Rico has the lowest with 0.7%. For the Hispanic race, Puerto Rico has a rate of 99% of the population while West Virginia has the lowest rate with 1.37%. Moving to the Native people, Alaska was found to be the state with the highest rate at 13.42%. Finally, for the Asian race, Hawaii found the highest percentage with 36.75%.

For the Design, the Map is used for indicating the population density, and the horizontal bars are used for demonstrating citizenship and Gender while stacked horizontal bars are used for showing the distribution of the ethnicity groups per state.

Insight2

[Transportation Means | Tableau Public](#)

This dashboard demonstrates the transportation means per state and the national average for each mean. The most favourable transportation means found to be Drive with 79.18% then Carpool with 10.28% followed by people who do not use the other means as they work from home with a percentage of 4.63%. 3.32% nationally favour walking to their work and less than 1% use transit.

Alaska and the District of Columbia found it to be the most state where the residents prefer to walk with a percentage of 23.88% and 12.9% respectively. These rates have a huge gap with the national average. Thus more investigation is needed to find the reason whether the state has not provided other means or the state actually facilitates the pedestrian paths.

Moving to the Transit mean, the District of Columbia, New Jersey, New York, Massachusetts and Maryland found it to be the top 5 states use the public transportation while counties of Kings and Bronx in New York found it to be the most counties nationally prefer the public transportation with average percentage of 61.7% 65.7% respectively.

For the Design, The horizontal bars used for demonstrating the top 5 states prefer walks and transit and also the National average for each type of transportation means while the stacked horizontal bars used for showing the distribution of the average for each type of transportation means per state.

Insight3

[Economic status | Tableau Public](#)

for this story that demonstrates the economic status of the US population by state. for the first slide we can see that there is a relationship between the average income and the average percentage of the poverty in the state. it is an inverse relationship so as the avg income decreases, the average Poverty increases.

The second slide indicates the average ratio of Poverty for each state, and Puerto Rico found it with the highest average of 49.37% while New Jersey has the lowest.

moving to the unemployment average rate per state, and again Puerto Rico found with highest rate of 19.37% while North Dakota has the lowest with 2.68%

The last slide indicates that there is a positive correlation between Poverty and Unemployment average rate.

For the Design, The line graph is used for demonstrating the relation between the income and Poverty and Packed bubbles are used for the poverty rate per state at the second slide. at the third side, the treemaps is used for the average Unemployment rate per state, and the scatter plot is used for investigate the correlation at the fourth slide