

CA1 – DATA VISUALIZATION

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ANALYSIS REPORT

Instead of just New York City, it has information from the entire nation. The enhanced data will make it possible for analysis to be much more interesting and valuable in supporting other data sets.

The US Census Bureau gathered the information presented here. This is not protected by copyright in the US because it is a government-produced item.

The Kaggle dataset you offered is titled "US Census Demographic Data." It includes demographic data from the American Community Survey (ACS) conducted by the US Census Bureau between 2015 and 2017.

The dataset contains a vast array of demographic information about the population, including age, sex, race, ethnicity, education, employment, income, marital status, housing, and more. Including states, counties, and census tracts, it tries to present a thorough overview of the population at a fine-grained geographic level.

CountyId: A distinctive identity for each county can be found in this column.

State: The column lists the state or territory in the United States where the county is situated.

County: The name of the county or its equivalent is provided in this column.

TotalPop: This number indicates the county's whole population, counting every person who lives there.

Men: This column gives the total number of men in the county, or the total number of men.

Women: This column displays the total number of females in the county as a whole.

Hispanic: This term refers to the proportion of the county's inhabitants who identify as Hispanic.

White: The percentage of the county's population that describes themselves as White is shown in this column.

Black: This number shows the proportion of the county's population who identify as Black or African American.

Native: The percentage of the county's population that identifies as Native American or Alaska Native is shown in this column.

Asian: It shows the proportion of the county's population who identify as Asian.

Pacific: The percentage of the county's inhabitants who identify as Pacific Islanders is shown in this column.

VotingAgeCitizen: Indicates the proportion of county residents who are U.S. citizens and are of voting age (18 years or older).

Income: The median household income for the county, which is the midpoint of the income distribution for households there, is shown in this column.

IncomeErr: It offers the uncertainty or margin of error related to the stated median household income.

IncomePerCap: This column shows the county's per capita income, which is determined by dividing total income by population.

IncomePerCapErr: This statistic shows the degree of uncertainty or margin of error surrounding the stated per capita income.

Poverty: The percentage of the county's population that falls below the poverty line—a benchmark used to assess financial hardship—is shown in this column.

ChildPoverty: This statistic shows the proportion of children in a county under 18 who live in poverty.

Professional: This column shows the proportion of county residents who are employed and are in professions like management, healthcare, education, or engineering.

Service: It shows the proportion of the county's workforce that works in service industries like food service, retail, or personal care.

Office: This column shows the proportion of county residents who are employed in office jobs like administrative, financial, or clerical positions.

Construction: This statistic shows the proportion of county residents who are employed in manual or building labor-intensive occupations. **Production:** This column shows the proportion of county residents who are employed in production-related jobs, such as manufacturing or assembly-line labour.

Drive: This statistic shows the proportion of county residents who drive their own car to work.

Walk: This column shows the proportion of county residents who go by foot to work.

OtherTransp: This statistic shows the proportion of county residents who commute by using a different mode of transportation, like a motorbike or bicycle.

WorkAtHome: The percentage of county residents who work from home is shown in this column.

MeanCommute: It displays the county's average commute time in minutes, giving a general idea of how long commutes often take.

Employed: The total number of people who are employed in the county is shown in this column.

PrivateWork: This statistic shows the proportion of the county's workforce that is employed in the private sector.

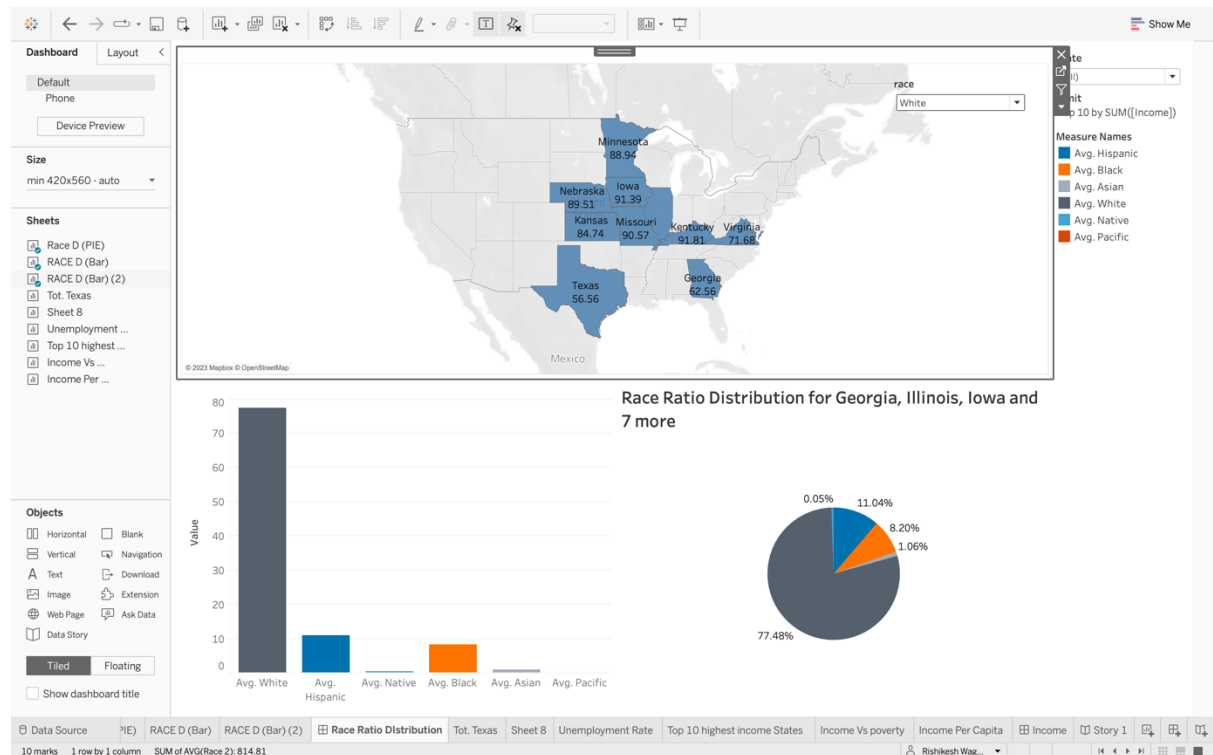
PublicWork: This column shows the proportion of county residents who are employed and work in the public sector, which includes areas like government and public administration.

SelfEmployed: This statistic shows the proportion of county residents who are either self-employed or run their own businesses.

FamilyWork: This column shows the proportion of the county's workforce that is employed in family employment, which often entails working for a family-run business.

Unemployment: It shows the fraction of the county's labour force that is not employed, reflecting the number of people who are actively looking for work but are unable to find one.

WHAT ARE THE AVERAGE RACES IN THE US?

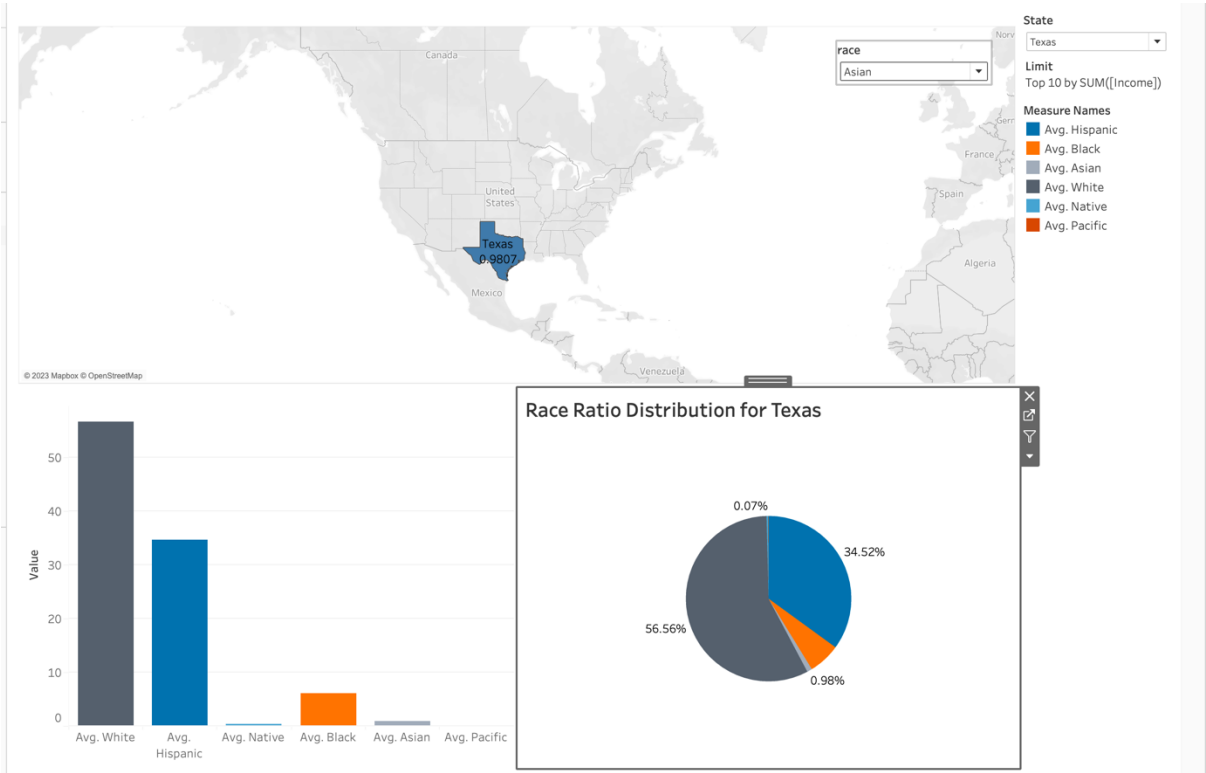


The tableau dashboard looks at the varied populations living in each state; 77% of the residents in the top 10 states are white.

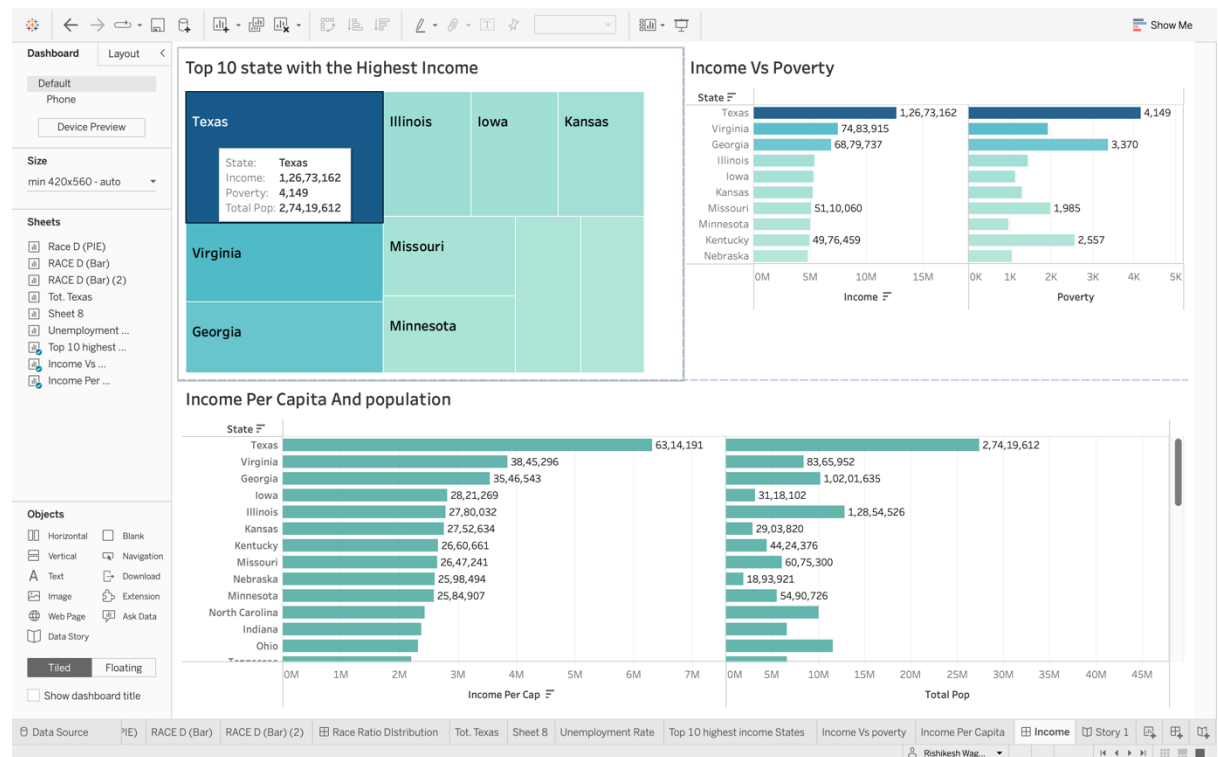
Additionally, we investigated the most populous state, Texas,

Only Asian residents of Texas were chosen using the criterion; they make up 0.98% of the state's total population.

Additionally, by using the filters, we can look at different US states.



TOP 10 STATE WITH HIGHEST INCOME?



Following Texas, which has an income of \$12 million, Virginia, Georgia, and other states make up the top ten highest-earning states in the US. The key aspect is that despite having the highest income, Texas still has the highest rate of poverty.