Insight 1: Which state has the most population?

- Links to dashboards:

  https://public.tableau.com/app/profile/abdelrahman.aboulela/viz/TotalPopulationbyState_16435140819150/TotalPopulationbyState?publish=yes

- Summary:

  California has the most population, with 38 million people which, is about 12% of the population among the states. Also, about 30% of the California population, which is 10 million people, is located in Los Angeles, which is the highest populated county in California.

  Wyoming state has the lowest population, with 579 thousand which, is about 0.18% of the population among the states.

- Design:

  The map is used to visualize the total population in the states with color encoding. Also, the map is used as a filter by hovering on the state to visualizes the counties total population from the bar chart that. Also, rank of total population is used as filter to display the top 10 counties.

- Resources: N/A.

Insight 2: Why California has the most population?

- Links to Worksheet:

  https://public.tableau.com/app/profile/abdelrahman.aboulela/viz/Non-CitizenvsCitizenPopulation/Non-CitizenvsCitizenPopulationTop5States?publish=yes

- Summary:

  From the bar chart, it appears that California has 14 million non-citizens who are immigrants to the U.S. They are more than 50% of the total citizen of California which is about 23 million people. Hence, having such a large number of non-citizens is one of the reasons for having the highest total population in California.

- Design:

  Side by side bar chart is used to easily compare the citizen and non-citizen in each state and encode them with color. Also, rank of the sum of non-citizen population is used as filter. so, I can display the top 5 for better visual.

- Resources: N/A.

Insight 3: what is the poverty and unemployment rate in California?

- Links to dashboards:

  https://public.tableau.com/app/profile/abdelrahman.aboulela/viz/PovertyandUnemploymentrate/PovertyandUnemploymentRate

- Summary:

  The percentage of employed people in California is 41%, which is below the average that may be because of the high number of non-citizens. It appears from the scatter plot that as the percentage of employment decreases, poverty, and unemployment rate decrease.

  The poverty rate in California is 16.67%, and the unemployment rate is 10.8%, which makes it the sixth rank among the state.

- Design:

  scatter plot is used to visualize the relation between the percentage of employed to poverty and unemployment. Hover filter is used among all charts.

- Resources: N/A.