Analysis of US Census in 2015 Data

1) Insight 1: What is the distribution of the population in the USA States?

Link: [population vs. unemployment map_udacity_insight1 | Tableau Public](#)

Summary: From this dashboard, we can easily view the population for each state in the USA during 2015 year.

We can see from the plots that the top 3 states in the population are California (83,421,464), Texas (26,538,614), and New York (19,673,174).

While the three states with the least population are Wyoming (579,679), Vermont (626,60and 4), District of Columbia (647,484).

You can see also that only 7 states are having a population of less than 1 million, while the remaining 45 states are more than 1 million population.

Design: I choose the map plot as it is the clearest visual to show changes in population across the USA.

2) Insight 2: How do origins of population vary over the states?

Link[origin distribution in USA 2015_udacity_insight2 | Tableau Public](#)

Summary: This bar chart can show the distribution or origins across all the USA States, from it we can see that white origin is the most existing one, except for (Puerto Rico) where 99.5% of the population is Hispanics.

Also, we can see that (New Mexico) is another state with a high percentage of Hispanics with 46.65% of the population

Also, the District of Columbia and Hawaii, have the greatest ratio for the black population with (4 %, and 30%)

Design: I choose a side-by-side plot to easily show the distribution of different origins across all states

3) Insight 3: How does poverty look across America?

Link: [poverty levels across the USA states 2015_udacity_insight3 | Tableau Public](#)

Summary: the Tree-maps show the poverty percentage levels across the USA states

We can see that (Puerto Rico) is the worst state with poverty levels of nearly 50% of its population, but away

from Puerto Rico the ratio of poverty levels in the other states ranges from 25.72% in Mississippi to 9.40% in

Connecticut

Design: I think Tree-maps visual can present the rate of poverty easily