

PROJECT 4: VISUALISATION IN TABLEAU

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Data Used: Provided by Udacity From www.kaggle.com

Insight 1: General Population Spread in the US for Year 2015

Summary on Insight 1:

The dashboard shows the United State Map with total population distribution in each state and County across the US. It also shows the Bar Chart of the population distribution of Men and Women. Furthermore, the chart also shows the average orange line which indicates the average population of 6,155,733 people across the United States in year 2015.

From the chart, it is shown that 17 of the 52 states are above the average population of the United States. California tend to be more populated than other states, with a population of over Thirty-Eight Million.

Tableau link to Insight 1:

https://public.tableau.com/profile/esther.weyinmi.isack#!/vizhome/Year2015USPopulationDistribution/US_2015_Population?publish=yes

Insight 2: The Population Spread of Men and Women in the United States(US): Year 2015.

Summary on Insight 2:

This insight shows the United State Map with total population distribution in each state and County across the US. It also shows the Bubble plot of the population distribution of Men and Women. From the dashboard, Men and Women are almost evenly distributed across the various states and Counties in the United States. Also, in some cases Women are more than men and while in some Counties, Men are more than Women. For Example, in Wyoming State, the population of Men is 295,561 and the population of Women is 284,118. The difference in population distribution in this state is 11,448.

Tableau link to Insight 2:

<https://public.tableau.com/profile/esther.weyinmi.isack#!/vizhome/Year2015USMenandWomenPopulationSpreadComparison/MenandWomenPopulationDistributioninUS2015?publish=yes>

Insight 3: United State(US) Total Percentage Of Construction and Poverty in Year 2015

Summary on Insight 3:

The Graph show the total percentage of Poverty and Construction across the various States and County in the United States in year 2015. From the dashboard, we can see that the percentage of poverty to Construction from County to County varies. One outstanding observation is that Counties whose total percentage of construction are above the average line have low percentage of poverty. For example, Emery, Rich in Utah State. This is not to completely say that high construction above average reduced the level of poverty in the County because other factors might be associated with this behaviour.

Tableau Link to Insight 3:

<https://public.tableau.com/profile/esther.weyinmi.isack#!/vizhome/Year2015USPerctagePovertyandConstructionComparison/ConstructionPovertyPercent?publish=yes>

Design Choice:

I chose to use the map plot because it will be easier to click through each state in the US map and to show the various population size in each state.

I also aggregated the Counties into their respective state so that it is easier to explore further from State to County.

References:

Followed example of one of Project 1 Dashboard:

<https://public.tableau.com/en-us/s/gallery/malaria-africa?gallery=featured>

Tableau online help: <https://www.tableau.com/learn>

Building multiple measures in tableau:

<https://kb.tableau.com/articles/howto/stacked-bar-chart-multiple-measures>