Project 6: Build Data Dashboards
In the Udacity Business Analyst Nanodegree

Telling Stories with Data in Tableau

My story shows the uneven economic distribution of Income that trends into Poverty using Tableau data-visualization dashboards. This inequality is due to many factors. I will be using the data from the census table in the acs2015-county-data.csv database to show three Insights into

Poverty in the US

Insight 1:
- Title: **Lower median Income associated with Higher Poverty**
- Question: Does the census data show if **Lower median Income is associated with Higher Poverty?**
- Main Insight: It appears to be so. As median Income goes down the Poverty rate goes up. Texas is a data lone star.
- Links: **https://public.tableau.com/shared/Z5N4PW5DC?:display_count=y&:origin=viz_share_link**
- Summary: There are many reasons why we have low income. Job opportunity, reliable transportation are needed to maintain an Income above the Poverty level.
- Design: Bar Charts, limited choices to display data.
- Resources: https://aspe.hhs.gov/poverty-guidelines

Insight 2:

- Title: **Commute methods to maintain Job Employment &**
- **Chasing the Dollar!**
- Question: How important is Commute in maintaining a Job?
- Main Insight: Very important from becoming Unemployed! Many people walk to Jobs like Alaska. Texas is a data lone star.
- Links: **https://public.tableau.com/shared/HQD7RNK9H?:display_count=y&:origin=viz_share_link**
- Summary: The ability to live above the Poverty line relies on Income from a Job. Reliable transportation is still critical in maintaining a Job and Income. Otherwise you become Unemployment. Commute is Key for most Jobs! Unless you work from home remotely!
- Design: Bar Charts, limited choices to display data
- Resources: No ride No Job. https://www.businessinsider.com/lack-of-transport-is-a-major-obstacle-to-employment-for-americas-poor-2018-1
- Mean Commute less a factor now as remote work jobs have increased * during the covid19 pandemic. https://www.brookings.edu/blog/up-front/2020/04/06/telecommuting-will-likely-continue-long-after-the-pandemic/

Insight 3:

- Title: **Higher Unemployment associated with Higher Poverty**
- Question: Does the census data show if **Higher Unemployment is associated with Higher Poverty?**
- Main Insight: Very much so. With no income from a Job people trend below the Poverty level. Texas is a data lone star.
- Links: **https://public.tableau.com/views/Project_6_census_16032029502210/Story1?:language=en&:display_count=y&:origin=viz_share_link**
- Summary: Higher Unemployment can be the result of many factors. Such as transportation, lack of skills required, racial discrimination.
- Design: Tree and Bubble, available choices
- Resources: Unemployment reference charts job losses during covid19 pandemic https://public.tableau.com/views/USUnemploymentUpdatedJuly2020/Dashboard1?:language=en&:display_count=y&:origin=viz_share_link

Summary: Commute OR No Job = Unemployment = No/Low Income => Poverty

With no Income from being Unemployed (due to lack of Commute) leads to Higher Poverty.

LINKS:

Dash1

https://public.tableau.com/shared/Z5N4PW5DC?:display_count=y&:origin=viz_share_link

Dash2

https://public.tableau.com/shared/HQD7RNK9H?:display_count=y&:origin=viz_share_link

Dash3

https://public.tableau.com/views/Project_6_census_16032029502210/Story1?:language=en&:display_count=y&:origin=viz_share_link

website address

https://public.tableau.com/profile/frida.rode#!/vizhome/Project_6_census_16032029502210/Story1