**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**](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**](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**](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**](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**](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**](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**](https://public.tableau.com/profile/frida.rode#!/vizhome/Project_6_census_16032029502210/Story1)