

1. Insight no.1

this dashboard is combination between many worksheets to show poverty ,income , transits and public- private work in each state in US.

link:

https://public.tableau.com/app/profile/abdelrhman.saker/viz/udacityproject_16485744314290/Dashboard1

Summary:

In the dashboard, in each state the most dark region in transit section is the highest average of transit in one of its countries. The other charts shows the public and private work , the income vs poverty in each state.

Design:

In this insight there is the map to show countries in each state , scatter plot and bar plot (will be explained in other insights) and that makes the user to gain a big picture of what he wants and there are two filters : One for states and another one is scroll bar to decrease the shown bars in case of all states.

Resources: N/A

2. Insight no.2

Is there a relation between income and poverty ?

link:

https://public.tableau.com/app/profile/abdelrhman.saker/viz/incomevs_poverty_16485827366920/incomeVSpoverty

Summary:

Through this worksheet, the income has a strong relation with the poverty, if the ave income increases the ave poverty decreases. There is a filter to show each state individually

Design:

In this insight I used scatter plot to be able to visualize the relation between two variables and that makes it easy for the user to catch the difference.

Resources: N/A

3. Insight no.3

What is the ratio between public and private work in US states?

link:

<https://public.tableau.com/app/profile/abdelrhman.saker/viz/publicvsprivate/publicvsprivate>

Summary:

Through this worksheet, the graph shows that in the most of the countries the ave private work is much greater than the ave public work. There is a filter to show each state individually

Design:

In this insight I used bar chart to be able to visualize the categories which are public and private and that makes it easy for the user to catch the difference.

Resources: N/A