The main question for this dashboard is "what is the income for each state with a supportive information about poverty and work in same state in 2015".

This question is to have a full view of each state income, poverty and work. Also, to make easy comparisons between any states you select according to the provided information. For instance, if you want to compare between the highest state income and the lowest (because of this I chose the map) to see if the private work is higher in the highest income and if it is low in the lowest as proportionality. So, insights below answer a part of the main question but not for all states. For each insight I will chose a state just to the idea clear.

Insight 1

https://public.tableau.com/profile/hussam.aljohani#!/vizhome/m_15604265685060/Sheet1

The average of child poverty in all states is 24.1 and the average of poverty in all states is 17.4. These two averages of all states used to compare an average of poverty or child poverty for a one state with it. This help to see which state has an average the exclude the average of all states. In this case the state will be considered as a bad state in the poverty rates! Also, the opposite is correct.

The Side By Side Bars chart used here to shows the values for each kind of poverty and to make it clear to see which one is higher by the bar length with comparison of another. Also, the chosen colors were selected to be homogenous with map colors. Also, they have chosen according to colorblind right list of colors

Resources: N/A

Insight 2

https://public.tableau.com/profile/hussam.aljohani#!/vizhome/m_15604265685060/Sheet2

The total of private work in all states higher than total of public work. Private is 238, 986 and the public is 56, 546. This means the private sector is the man contributor in employing there.

The Pie chart used here has been chosen to shows the proportionality for each type of work the public and private. It is easy show if one of the values here is more than another by the added colors and how much size it takes visually! The colors used here are same of the averages chart of poverty to make it homogenous and good for color blinds.

Resources: N/A

Insight 3

It Is clear that Texas state has the highest income according to the color darkness level which is the darkest. It is income 11, 826, 682.

The Map chart used here is show easily which state a high income and which state has a low income. To choose one of them simply according to the color and the dropdown list in the right above corner of the map.

Resources: N/A

Insight 4

The highest income state which is Texas has an average (AVG) of child poverty by 24.3 which is more than the AVG for child poverty for all states by a small difference! The states AVG of child poverty is 24. So, it is a high AVG for child

poverty in Texas state which might push us to find some solutions for it. The AVG of poverty in Texas lower than the AVG of poverty for all states! It is 17.1 where the AVG of poverty of all states is 17.4. So, Texas has a good rate of poverty even if the difference is small between it and AVG for all states.

The private work in Texas is 18, 369 and The public work there is 4, 692.

The dashboard used here to show easily and interactively the full information about each state income, child poverty, poverty, private work, public work and their and the averages for information in pie and side by side bar chart. Also, it easy to use by only chose the state you want to have information about by clicking on the state box in the right above corner.

Resources: N/A

Insight 5

The Fort Bend county in Texas state has 89,152 income which is the highest in the list of the counties within Texas state. The lowest state according to the income is Brooks by 22,741. So, the difference between the highest and lowest is 66,411. So, we can see clearly that Fort Bend has a very good level of income with comparison with Brooks.

The horizontal chart used here is to show the descending order of income for all counties for a chosen state. It helps to see which one has the, which one has the lowest, the highest three counties, …etc. The color used it only one color! No need for more colors and it is the same as blue used in Side By Side Bars chart and Pie chart which are homogenous with blue levels in the map.

Resources: N/A