

## Data Visualization #1:

### **Number of Employed & Self-Employed people in all cities of New Jersey, USA vs. Total Population in all states within the USA:**

**Link:**

<https://public.tableau.com/profile/harshal.gautam#!/vizhome/DataVisualization1USCensusData/DataVisualization1?publish=yes>

### **Summary:**

This dashboard considers people in all states of the USA (Total population of USA), and compares it with the data of employed & unemployed people in all cities of New Jersey, USA. Through the map which shows the total population in the USA, it is evident that California has the most number of people. According to data, California's population sums up to 38,421,464. On the other hand, Wyoming has the least population which according to our data is 579, 679. Using the dashboard which compares the employed and self-employed people in all cities of New Jersey, we can see that Bergen clearly has the most number of people employed with 459,612 people employed. On the other hand, we can also see that Sussex has the most self-employed individuals with 6,700 people self-employed.

### **Design:**

I have chosen a map to highlight the total population in all the states of the USA. Additionally, I've used a treemap to compare the employed and self-employed individuals in New Jersey. I believe a Treemap makes it easier to understand for the readers of our data dashboards because we've adjusted the employed individuals in terms of sizes making it evident that the bigger the square box, the more population of employed individuals a particular city in New Jersey might have.

### **Resources:**

N/A

## Data Visualization #2:

### **Top 10 States with the least number of people employed in the USA vs. Total Population in the USA:**

Link:

<https://public.tableau.com/profile/harshal.gautam#!/vizhome/DataVisualization2USCensusData/DataVisualization2?publish=yes>

#### **Summary:**

Here, we have two maps in which one of them visualizes the total population in the USA. In the map, the hotspots states with the most population are coloured in red, and the rest in light orange which highlight the least populated states. The other map shows the top 10 states that have the highest unemployment individuals, hovering over to any states such as California, the pop up shows us that California has a total population of 38,421,464 and has 626 people who are unemployed. On the other hand, we can see that Texas has a total population of 26,538,614 and has 1,712 people unemployed.

#### **Design:**

Comparing multiple states within the US, I believe it's best to use maps in order to show both the hotspots of the total population as well as highlighting the unemployed in the top 10 states.

#### **Resources:**

N/A

## Data Visualization #3:

### **Total Population (USA) vs. Number of Poverty in California**

Link:

<https://public.tableau.com/profile/harshal.gautam#!/vizhome/DataVisualization3USCensusData/DataVisualization3?publish=yes>

#### **Summary:**

The map shows the total population of the USA as mentioned above. On the other hand, we have a horizontal bar chart which showcases the amount of poverty in every city within California state. The chart is sorted in descending order and so it is evident that Tulare, California has the most poverty with 28.10 people in the city. Additionally, the city with the least poverty is Mono with only 4.90 people who might go through poverty.

### **Design:**

Since it's a horizontal chart, I've decided to keep the colouring as navy blue across the whole chart. This is because there's many cities and it would not help if each city had a different colour for highlighting its poverty ratio. By keeping it just to one colour, the data looks much cleaner and I've also avoided chart junk.

### **Resources:**

N/A

## **Data Visualization Story:**

**I've developed a story to help viewers better understand the step process of my data visualization by adding text to each of my dashboards**

### **Link:**

[https://public.tableau.com/profile/harshal.gautam#!/vizhome/DataVisualizationUSCensusDemographicData/TotalPopulationvs\\_UnemployedPopulationTop10states?publish=yes](https://public.tableau.com/profile/harshal.gautam#!/vizhome/DataVisualizationUSCensusDemographicData/TotalPopulationvs_UnemployedPopulationTop10states?publish=yes)