

Data Visualization Project

US Census Demographic

Insight 1

- **Link:**
<https://public.tableau.com/profile/madou.roumaissaa#!/vizhome/DoemployeesinPublicandPrivateworkexperiencemoreorlesspoverty/DoemployeesinPublicandPrivateWorkexperiencemoreorlesspoverty>
- **Summary:**
The first Scatterplot shows a weak, positive, linear association between Poverty (%) and Public Work (%). It's appear that there are outliers in the data.
The second Scatterplot shows a weak, negative, linear association between Poverty (%) and Private Work (%). It's appear that there are outliers in the data.
Overall, it is clear that employees in the private work experience more poverty, while in the public work they experience less poverty.
- **Design:**
The best graph to answer this question was Scatterplot, because it helps to determine the relationships between Poverty and (Public Work, Private Work).
- **Ressources:**
N/A

Insight 2

- **Link:**
<https://public.tableau.com/profile/madou.roumaissaa#!/vizhome/Howdoesthedistributionofraceslookintheregionthathavethehighestaverageofcitizens/Howdoesthedistributionofraceslookintheregionthathavethehighestaverageofcitizens?publish=yes>

- **Summary:**

From the map chart, we can see that the region with the highest average of citizens is Northeast with 184 602 citizens. In the dashboard, I clicked on region filter and chose the Northeast, this showed the racial distribution in that region. The White race has the highest number of percentage (90.70), and then it comes the Hispanic race with 3.00%, while the Black race have 2.60%. On the other hand, Asian and Native have 1.10% and 0.10% respectively. Pacific race doesn't have any percentage.

- **Design:**

The best charts to answer this question are:

1. Map chart: because it helps to see the location of different region.
2. Bar chart: because it helps to make comparison between the distribution of different races.

- **Ressources:**

https://en.wikipedia.org/wiki/List_of_regions_of_the_United_States

Insight 3

- **Link:**

<https://public.tableau.com/profile/madou.roumaissaa#!/vizhome/Whatisthe-mostwayofcommutingintheUS/Insight3>

- **Summary:**

The chart shows the different ways of commuting (Drive, Other Transp, Transit) by state. At first glance it is clear that commuting alone in car, van, or truck (Drive) was the most way of commuting in all states.

- **Design:**

The best graph to answer this question is Bar chart, because its help to make comparison between the different ways of commuting.

- **Ressources:**

N/A