

What are the main data in the dashboard?

Link: dashboard

 Summary: This dashboard illustrates some metrics of the US census data mainly:

I. Population

II. Income, Poverty and Income correlation

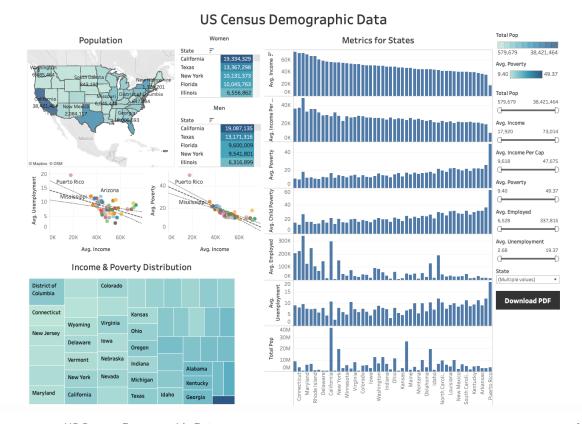
III. Employment and unemployment distributions

IV. Income and poverty distribution

V. ..

 Design: The tool includes several filters for categorizing the data if needed/desired.

Resources: N/A

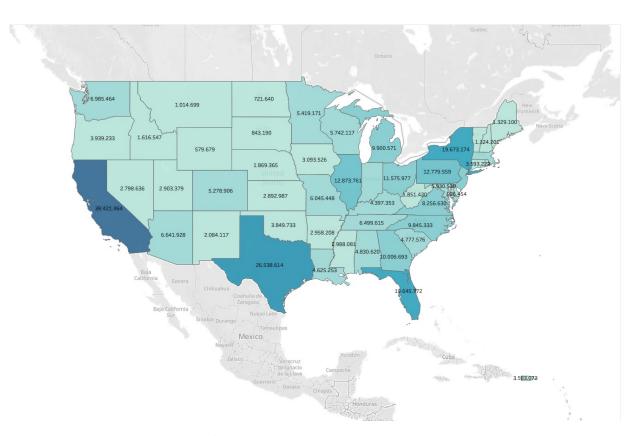


What is the population distribution across USA?

· Link: population

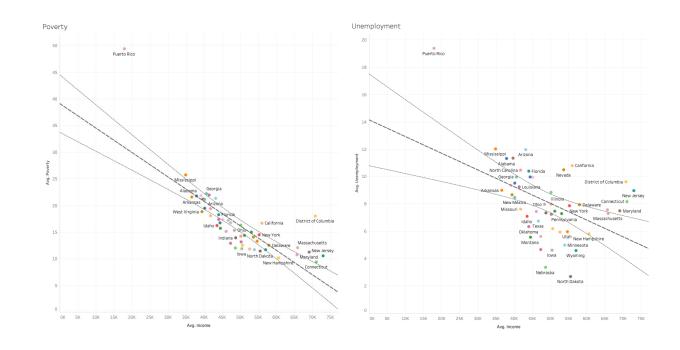
- Summary: This map gives the information on how is the population across USA. The population of each state is given as well. California has the highest population, following by Texas and New York.
- Design: The sum(total pop) is used for preparation of this visualization. This gives the best understanding. A filter is added to highlight the states with filtered

Resources: N/A



What is the relation between poverty, unemployment and income?

- Link: poverty-income, unemployment-income
- Summary: This plot gives the information on how the poverty and unemployment are related to average income. It can be seen that poverty and unemployment increases with lower average income.
- Design: The scatter plot can show the results very well and the regression with confident bands can help of understanding the data.
- Resources: N/A



What is the relation between poverty and income?

Link: poverty-income

• Summary: This map gives the information on how which state has the highest income (size of the boxes) and its poverty level (colour of boxes). It can be seen that the New Jersey has the highest average income and Puerto Rico the list! On the other side, Puerto Rico hast the highest average poverty among other states.

 Design: The treemap is a useful tool for showing the size of a value in comparison to others. The colour provides an additional metric on the data.

Resources: N/A

Income & Poverty Distribution

New Jersey	New Hampshire	Minnesota	Pennsylvania	Washington		Illinois		Indiana		Nebraska		Ohio	
Avg. Income: 73,014 Avg. Poverty: 10.53	Avg. Income: 60,649 Avg. Poverty: 10.17	Avg. Income: 53,927 Avg. Poverty: 11.67	Avg. Income: 50,316 Avg. Poverty: 13.14	Avg. Income 50,217 Avg. Poverty 16.26		Avg. Incom 50,163		48,74	Avg. Income: 48,745 Avg. Poverty: 13.89		come: verty:	Avg. Inc 48,446 Avg. Po 15.33	6 overty:
Connecticut Avg. Income: 71,184 Avg. Poverty: 9.40	Delaware Avg. Income: 58,068 Avg. Poverty: 12.50	Nevada Avg. Income: 53,690 Avg. Poverty: 14.03											
			South Dakota Avg. Income: 47,357 Avg. Poverty: 16.74		Michigan Avg. Income: 44,465 Avg. Poverty: 16.69		Oklahoma Avg. Income: 44,097 Avg. Poverty: 17.34		Florida Avg. Income: 44.046		Idaho Avg. Income: 43.608		ona Income: 52
	Wyoming Avg. Income: 57,042 Avg. Poverty: 11.69	Virginia Avg. Income: 53,084 Avg. Poverty: 14.97							Avg. Povert 18.25	y: Av			
District of Columbia Avg. Income: 70,848 Avg. Poverty: 18.00	Ny. 1016 (J. 22.03		Kansas Avg. Income: 47,3 Avg. Poverty: 12.8										
	California Avg. Income: 56,013 Avg. Poverty: 16.67					North Carolina Avg. Income: 41,784		New Mexico Avg. Income:		Tennessee Avg. Income:		South Carolina Avg. Income:	
Maryland Avg. Income: 69,200 Avg. Poverty: 11.24			Avg. Income: 46,74	Texas Avg. Income: 46,746 Avg. Poverty: 17.16		Avg. Poverty: 19.37		40,184 Avg. Poverty: 21.12		40,168 Avg. Poverty: 19.45		39,757 Avg. Poverty: 21.21	
	North Dakota Avg. Income: 55,575 Avg. Poverty: 11.42	Colorado Avg. Income: 51,263 Avg. Poverty: 14.39	Maine	Missouri Avg. Income: 41,755 Avg. Poverty: 18.06									
Massachusetts Avg. Income: 65,974 Avg. Poverty: 12.04			Avg. Income: 46,142 Avg. Poverty: 15.10			West Virginia Avg. Income: 39,412 Avg. Poverty: 18.79			Ark Avg				
	New York Avg. Income: 55,276 Avg. Poverty: 14.48	Wisconsin Avg. Income: 50,649 Avg. Poverty: 12.52	Oregon		Louisiana Avg. Income: 41,412			36,6	36,626 Avg.				
			Avg. Income: 45,1	Avg. Income: 45,171 Avg. Poverty: 17.36		Avg. Poverty: 21.96		Kentucky Avg. Income: 39,137 Avg. Poverty: 21.83		Pov 21.	erty: 55		
Rhode Island Avg. Income: 65,783 Avg. Poverty: 10.70	Utah Avg. Income: 54,687 Avg. Poverty: 13.27	lowa Avg. Income: 50,483 Avg. Poverty: 11.85	Montana Avg. Income: 44,49	Montana Avg. Income: 44,497		Georgia Avg. Income: 40,705		Alabama					
	Avg. Foreity. 15.27		Avg. Poverty: 15.7	Avg. Poverty: 15.72			Avg. Poverty: 22.20		Avg. Income: 37,973 Avg. Poverty: 21.76			Puerto Rico Avg. Income: 17,920	

What is the relation between poverty and income?

- Link: metrics
- Summary: the bar plot are used to demonstrate some other metrics from the data like average income of each state, average income per cap, average poverty, average child poverty, average (un)employment and total population of states.
- **Design:** The bar plots are using the same data source, so as soon as one is sorted the other plot are adapted based on that one.
- Resources: N/A

