1. **Which states have the best transportation?**

Links:

- [States with the best & worst transportation](#) (bar chart)
- [Top 5 States with the Worst Transportation](#) (map)
- [Top 5 States with the Best Transportation](#) (map)

Resources:

- [Nine days on the road. Average commute time reached a new record last year](#) (Washington Post)
- [U.S. Census Demographic Data](#) (Kaggle)

Design Comments:

I used the mean comminute time for this question. I based it on an article at the [Washington Post](#) about the average commute time for the American workers published on Oct. 7, 2019:

As the author explains in the article, commute times reflect the challenges of life and transit and infrastructure. It reflects the congestion, condition of the roads, bridges, and public transit.

Every country, so the data can have variability within each state. The mean commute is calculated in minutes according to Kaggle's [U.S. Census Demographic](#) dataset.

I used a bar chart and maps to visualize my insights. I chose horizontal bars and sorted ascending, so that I can quickly see the states with the highest and lowest mean commute times.

I created two separate dashboards for the top 5 best and worst transportation. I used the symbol maps for both. I also created a filter. I added a new column for the purpose of storing the mean comminute time in hours (minutes / 60) for consistency and accuracy.

Summary:

Texas has the longest average commute in the nation at 5,692 minutes, which is 94.87 hours. This is the measuring unit used. I created a new column to calculate the mean commute in hours. However, it is 0.16 in the county of Kent; 0.18 in Culberson; and 0.19 in King.
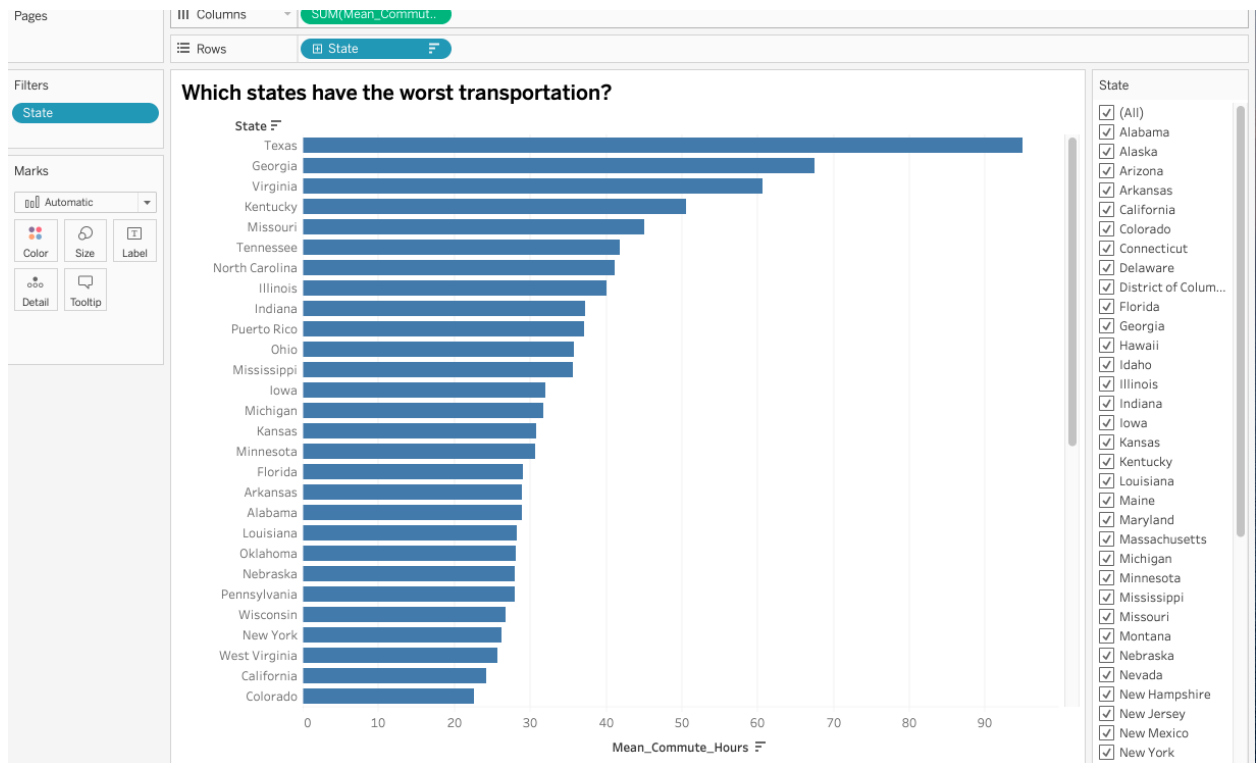
District of Columbia and Delaware have the lowest commute time in the nation at 0.50 and 1.28, respectively.
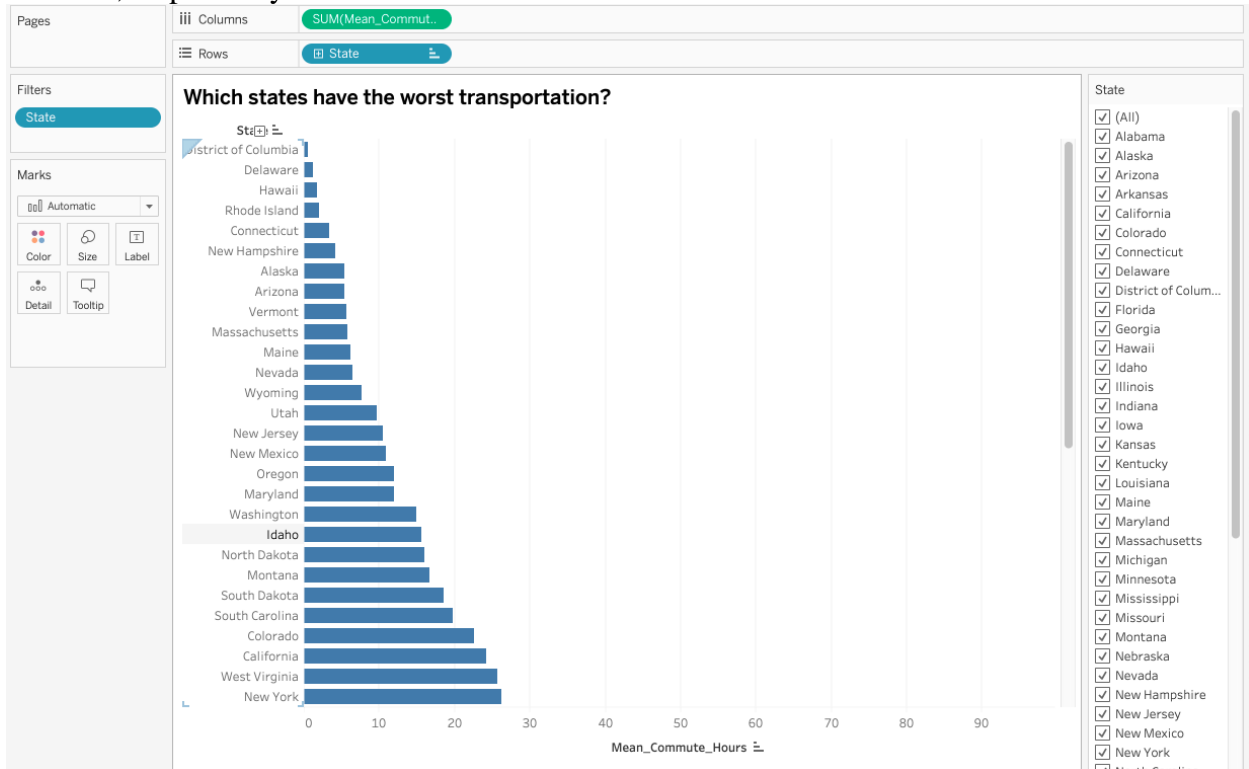
Here are the top 5 longest commutes by states filtered:

- Texas (94.87)
- Georgia (67.43)
- Virginia (60.62)
- Kentucky (50.52)
- Missouri (45.06)

It's surprising to see that California and New York didn't make it onto the list, with Los Angeles and New York City being two of the most congested cities in the world.
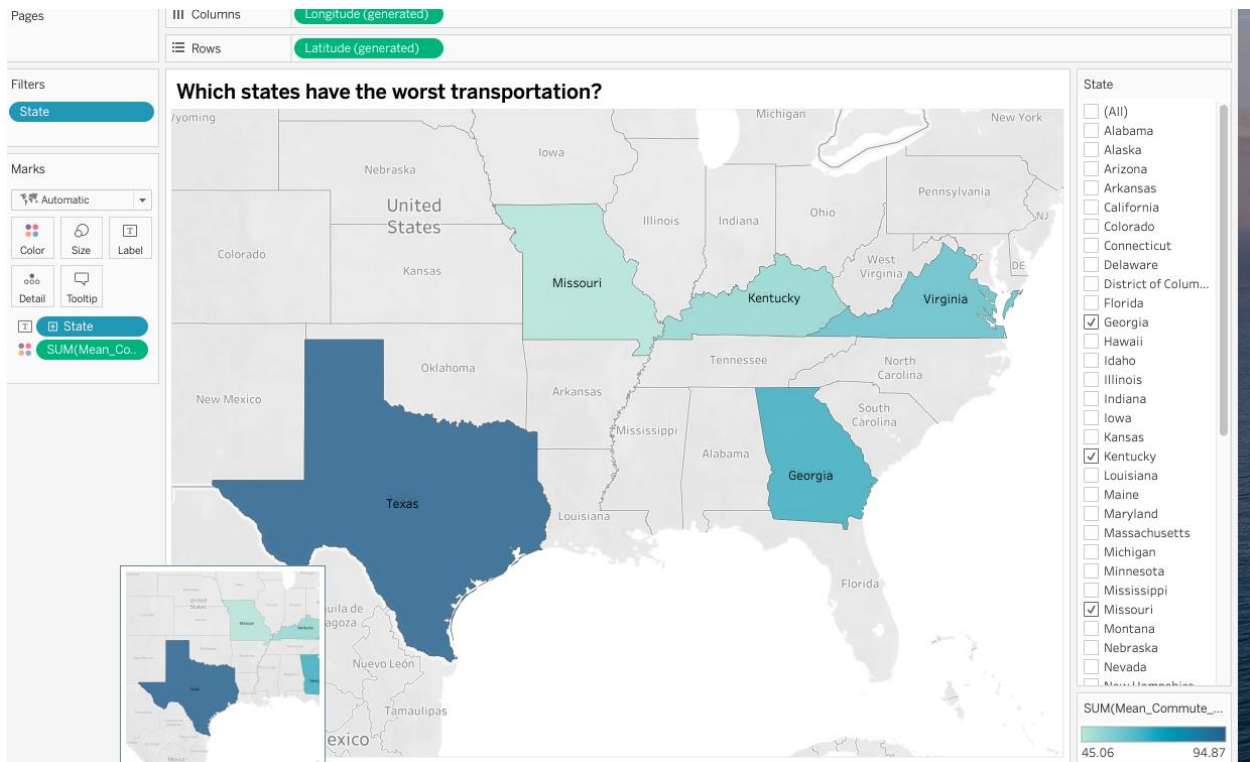
Here are the top 5 states with the shortest commute time filtered:

- District of Colombia (0.50)
- Delaware (1.28)
- Hawaii (1.77)
- Rhode Island (2.03)
- Connecticut (3.40)
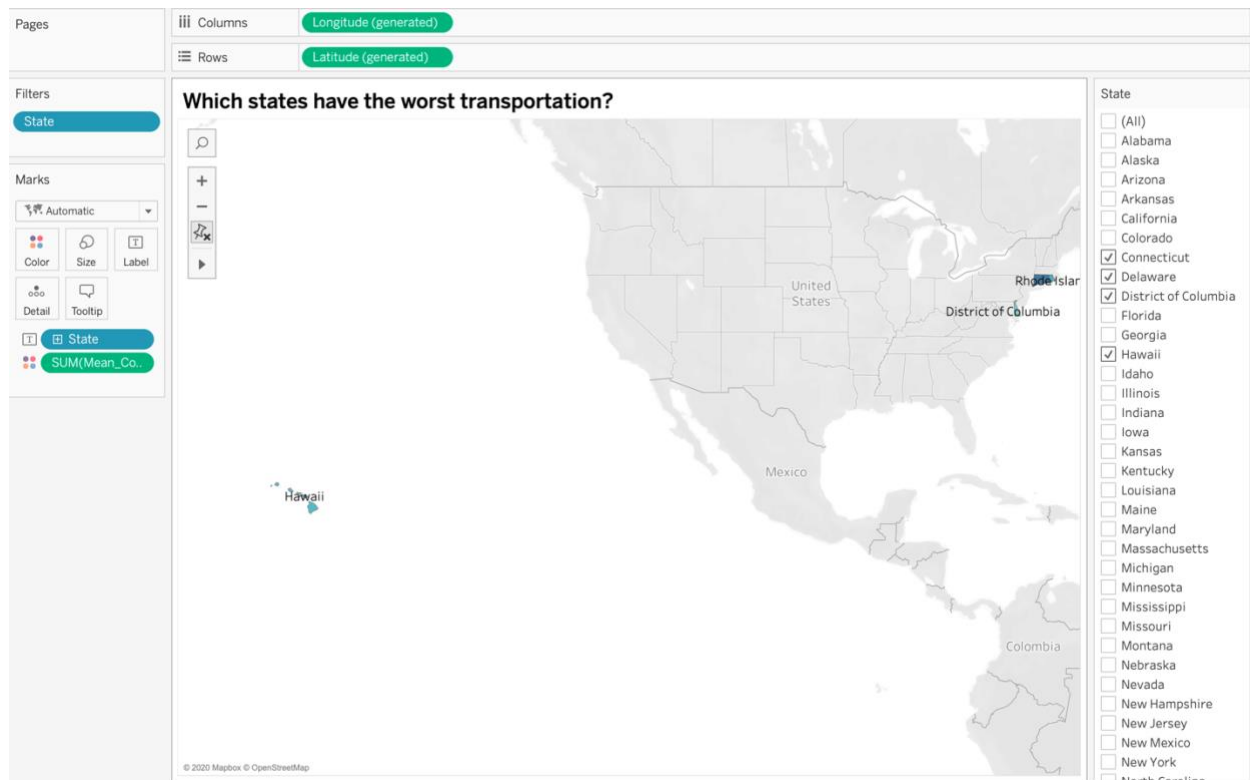
2. How does income and poverty look across America?

Links:

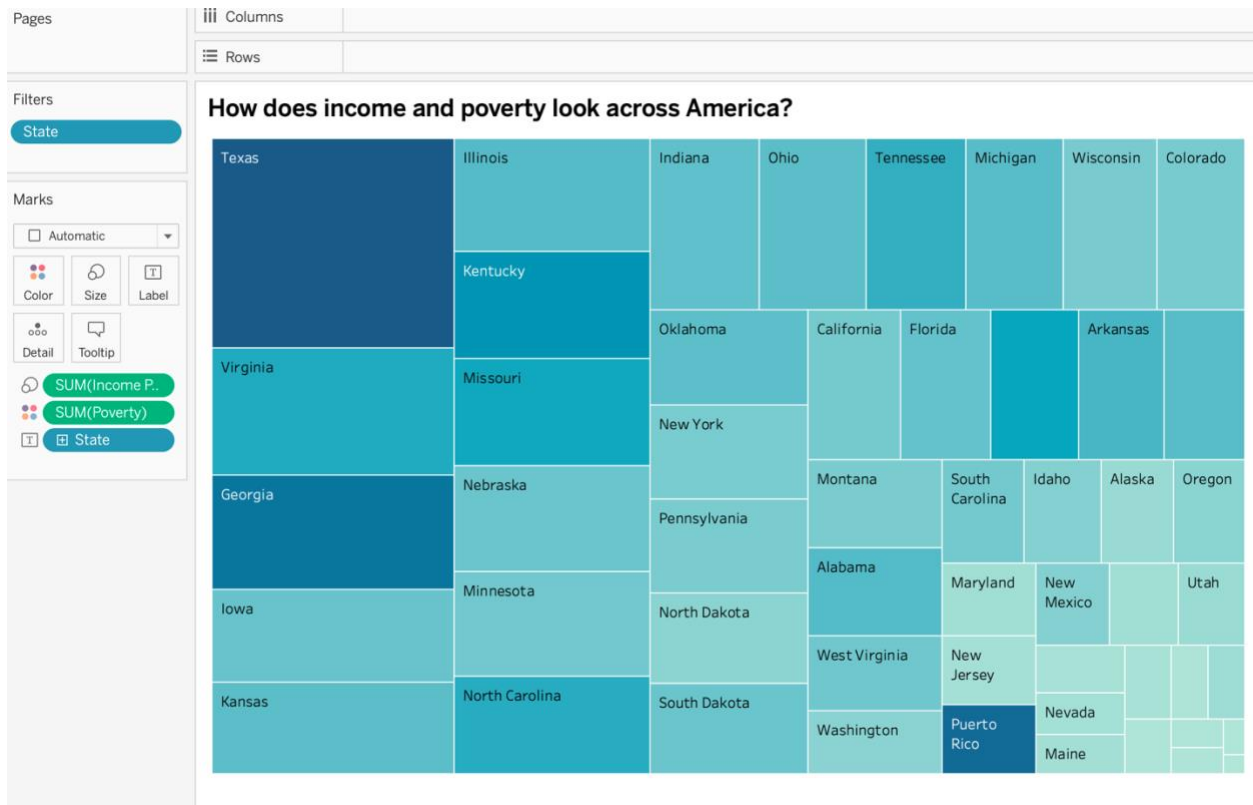- [Income Per Capita & Poverty Nationwide](#) (bar chart)
- [Income Per Capita & Poverty in America](#) (treemap)
- [Income Per Capita & Poverty Distribution in the U.S.](#) (map)

Design Comments:

     I used a horizontal bar, a map, and treemap to create the dashboard. I used the SUM (Income Per Capita), SUM (Poverty), and the State, County hierarchy.

Resources:

- [U.S. Census Demographic Data](#) (Kaggle)

How does income and poverty look across America?

Pages

Columns
Rows

Filters
State

Marks
Automatic
Color Size Label
Detail Tooltip
SUM(Income P..)
SUM(Poverty)
State

Texas | Illinois | Indiana | Ohio | Tennessee | Michigan | Wisconsin | Colorado
Kentucky
Oklahoma | California | Florida | Arkansas
Virginia | Missouri
New York
Montana | South Carolina | Idaho | Alaska | Oregon
Georgia | Nebraska
Pennsylvania
Alabama | Maryland | New Mexico | Utah
Minnesota
Iowa | North Dakota
West Virginia | New Jersey
Kansas | North Carolina | South Dakota | Nevada
Washington | Puerto Rico | Maine

Summary:

According to the dashboard, Texas has the highest income per capital and poverty. Puerto Rico is second, with a poverty of 3,851; Georgia has the second highest income per capita. This can be seen in the bar chart below:
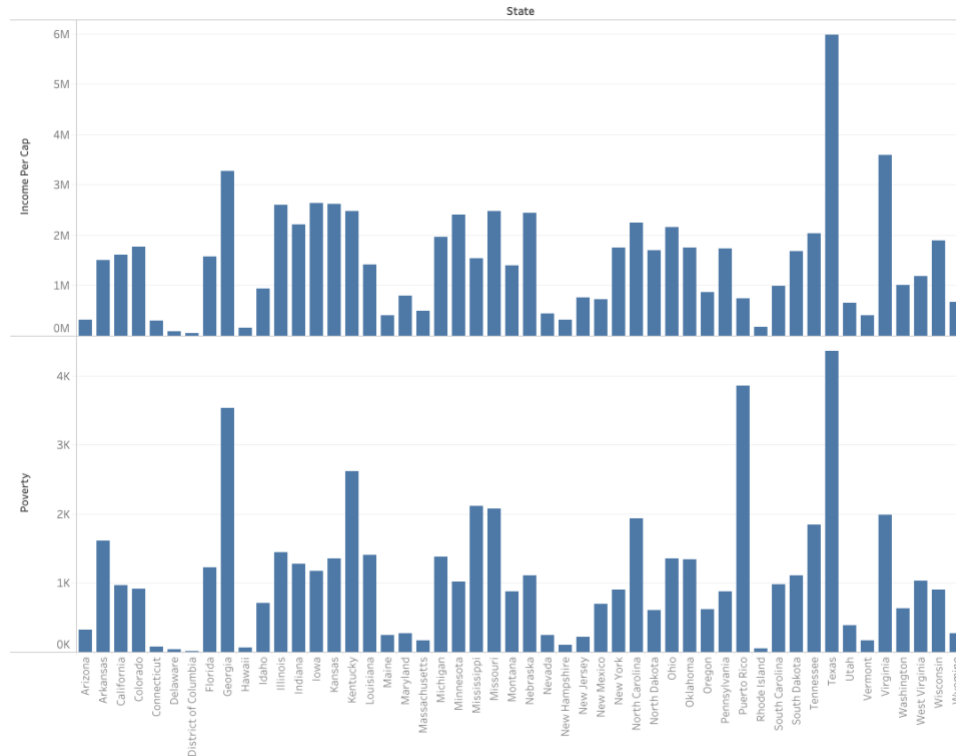
3. Which state has the most unemployment?

Links:

- Unemployment by state (bar chart)
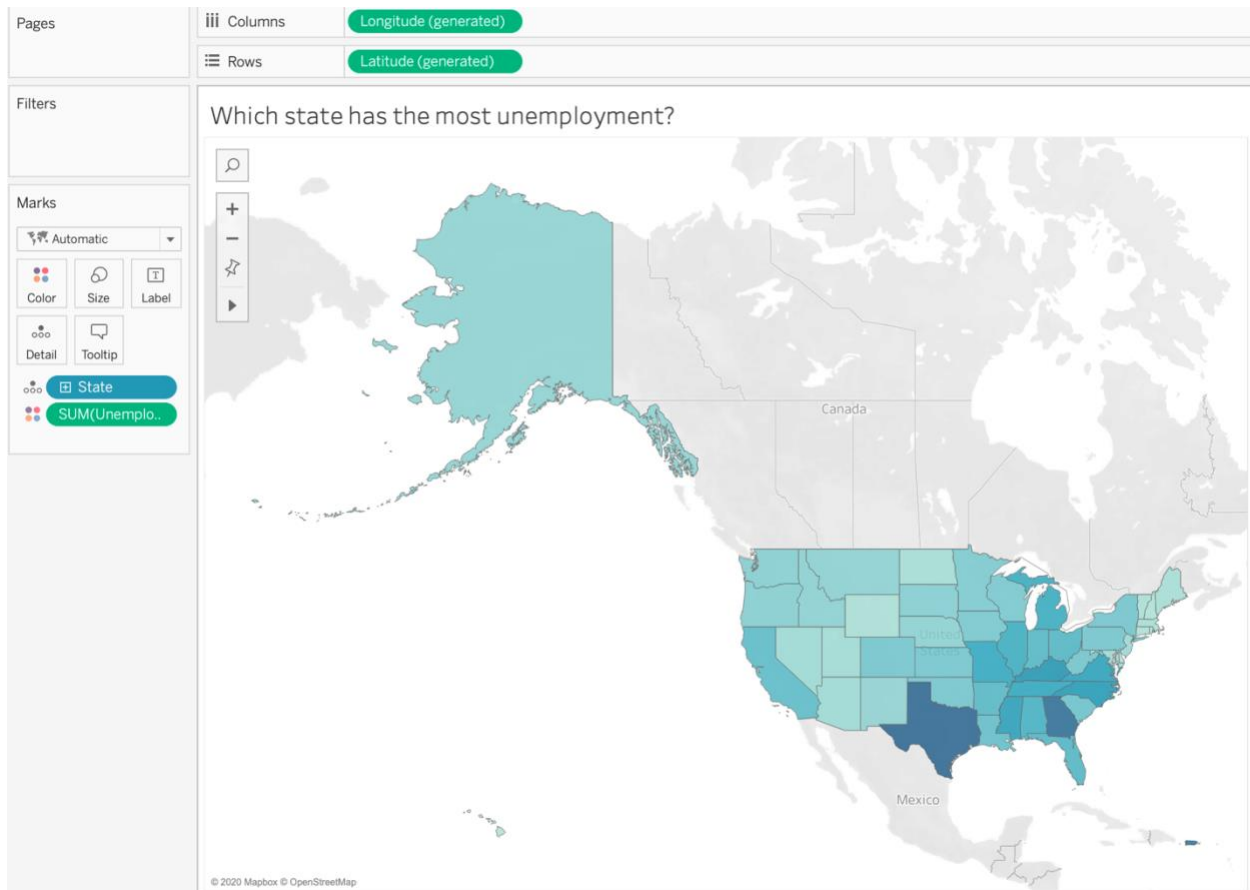- Unemployment by state (map)

Resources:

- U.S. Census Demographic Data (Kaggle)

Design Comments:

I looked at the states with the highest employment rate. I used SUM (Employment) and the State, Country hierarchy.

Summary:

I created a map, which showed that Texas has the most unemployment followed by Georgia and Puerto Rico.

| Pages | ⬛ Columns | ● Longitude (generated) |
| | ☰ Rows | ● Latitude (generated) |

Filters

Marks

🌍 Automatic ▾

| Color | Size | Label |
| Detail | Tooltip | |

⬡ ⊞ State
⬡ SUM(Unemplo..

Which state has the most unemployment?

© 2020 Mapbox © OpenStreetMap

Which state has the most unemployment?
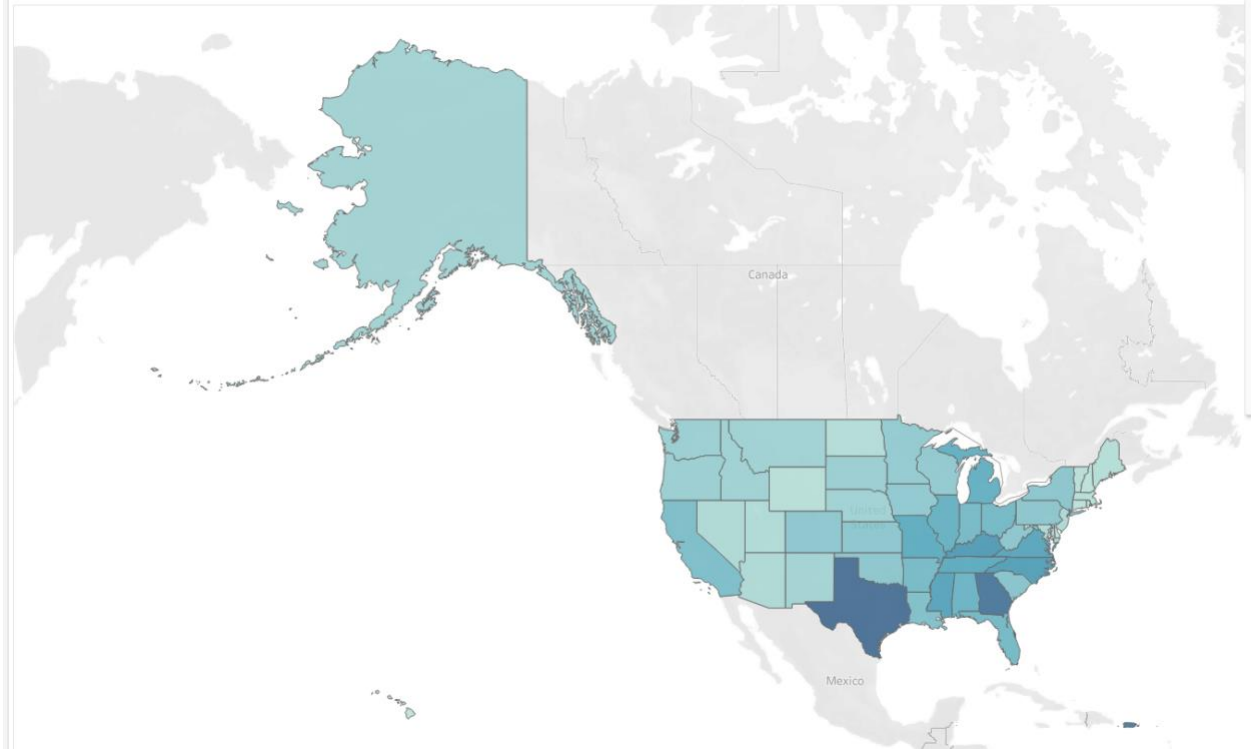
I also created a bar chart. District of Columbia, Delaware, and Hawaii have the lowest unemployment.

Which state has the most unemployment?

State

State	
District of Columbia	
Delaware	
Hawaii	
Rhode Island	
New Hampshire	
Connecticut	
Vermont	
Massachusetts	
Wyoming	
Maine	
North Dakota	
Utah	
Nevada	
Maryland	
Arizona	
New Jersey	
New Mexico	
Alaska	
Montana	
Nebraska	
Idaho	
Washington	
Oregon	
South Dakota	
Minnesota	
Wisconsin	
Iowa	
West Virginia	
Colorado	
Pennsylvania	
New York	
Oklahoma	
Kansas	
South Carolina	
Louisiana	
California	
Arkansas	