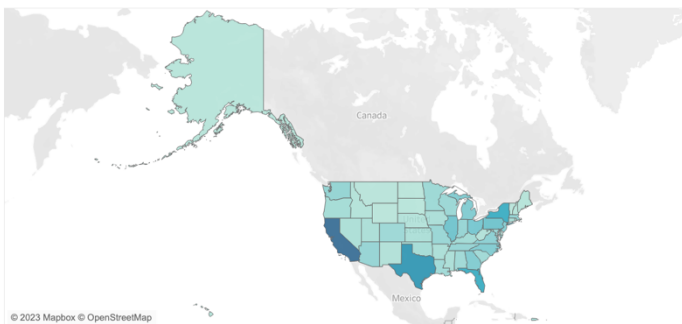


# Udacity – Build a Data Visualization Project

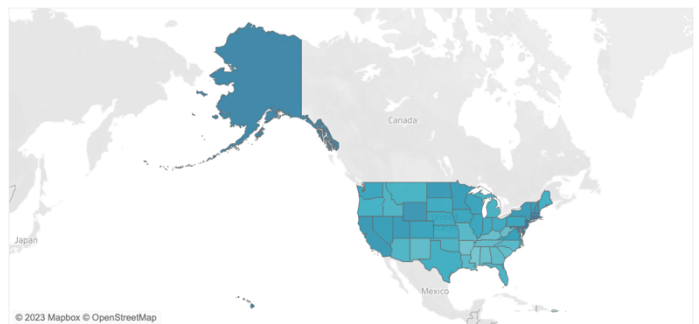
1. How Does the Average Income in the Highest Populated State Compare to the Average Income in the Lowest Populated State?
  - a. Link: [Udacity Question #1](#)
  - b. Summary: The bar charts give insight into which state has the lowest population (Wyoming) and which state has the highest population (California). We can see that Wyoming has a higher average income (\$57,042) than California (\$56,013), despite the extremely large difference in the population size.
  - c. Design: I chose the maps to give a good visual of the spread of population and average income over the United States. I narrowed down the states by population, using filters, to gain insight from the bar charts.

How Does the Average Income in the Highest Populated State Compare to the Average Income in the Lowest Populated State?

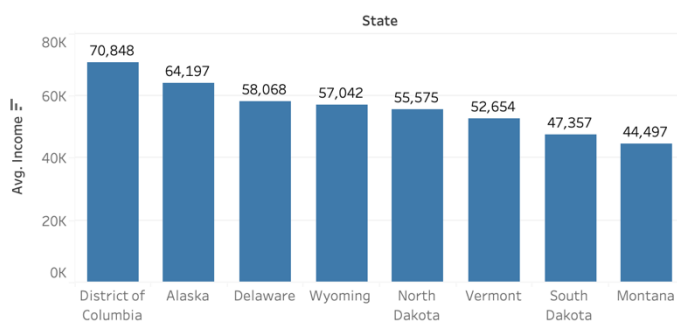
Population by State



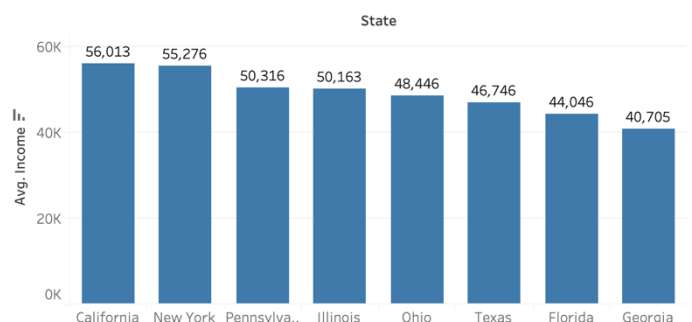
Average Income by State



Average Income in Lowest Population States



Average Income in Highest Population States

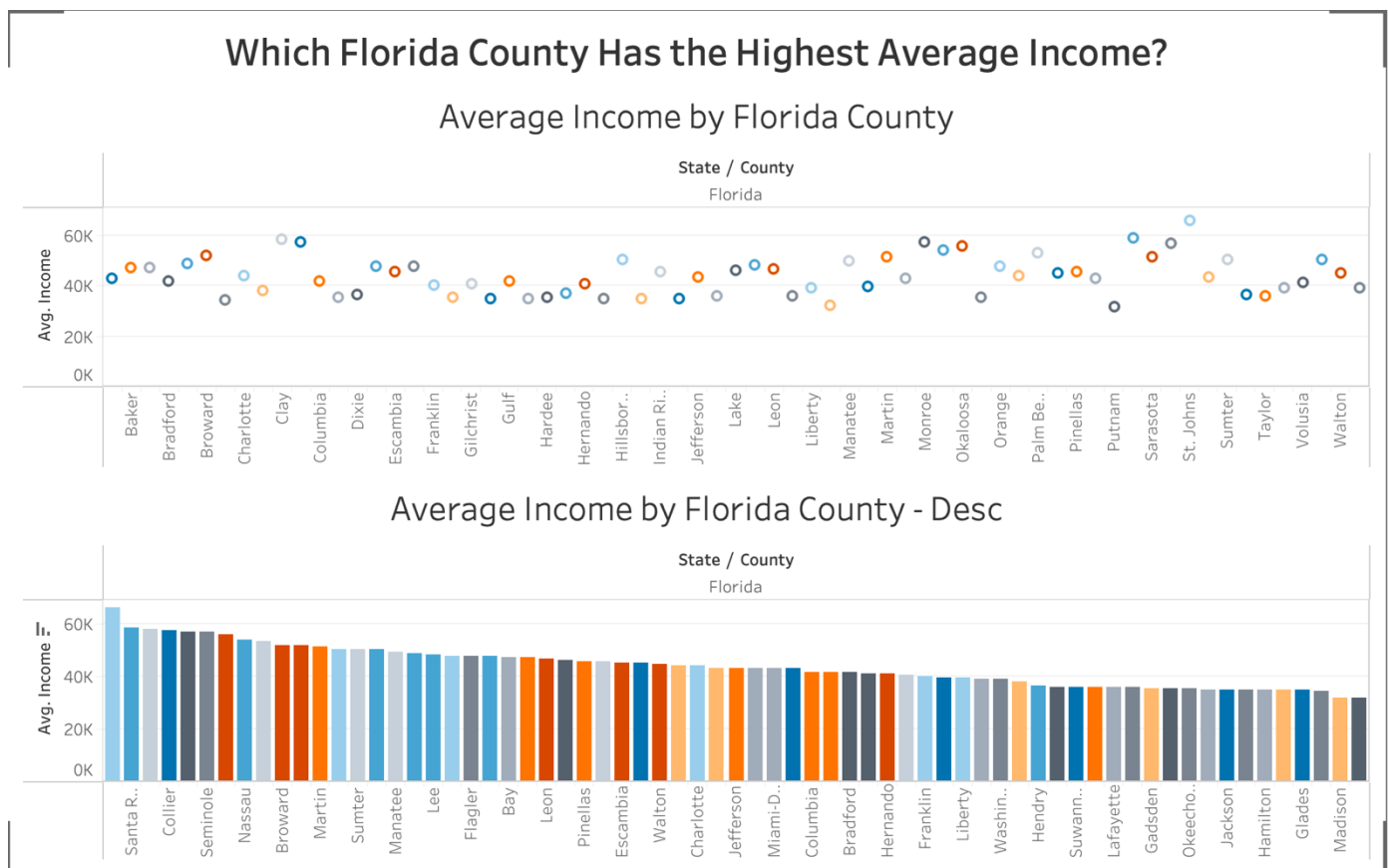


## 2. Which Florida County Has the Highest Average Income?

a. Link: [Udacity Question #2](#)

b. Summary: From the circle chart we can see the average income in Florida by county. From the bar chart we can see the average income in descending order. This tells us that the Florida county with the lowest average income is Putnam County (\$31,715) and highest average income is St. Johns County (\$66,194).

c. Design: I chose this design because it was a colorful and insightful visual to clearly show the lowest and highest average income.



### 3. Compare the Average Income Per Capita and the Average Poverty Rate

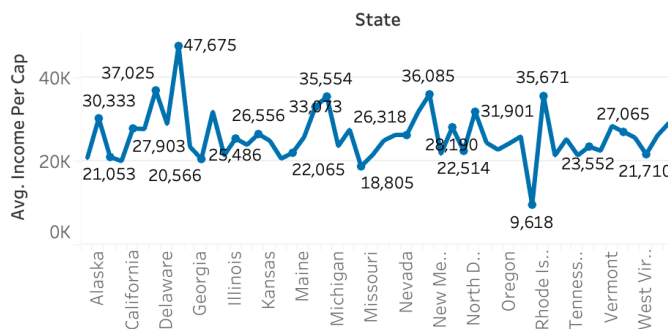
a. Link: [Udacity Question #3](#)

b. Summary: From the line charts, we can see that the highest average income per capita is in the District of Columbia (\$47,675) and the average poverty rate (18.0) there is almost twice as high as Connecticut (9.40), who's average income per capita is \$37,025. The lower income per capita in Connecticut means there is a lower standard of living there versus in the District of Columbia.

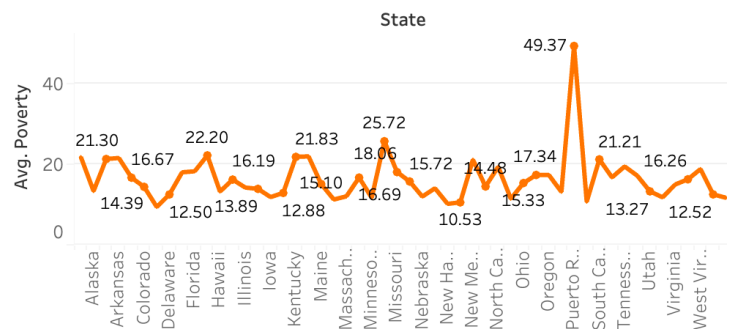
c. Design: I chose the line charts because they are great with comparing data and give a great visual insight on the differences between the average income per capita and the average poverty rate.

#### Compare the Average Income Per Capita and the Average Poverty Rate in the United States

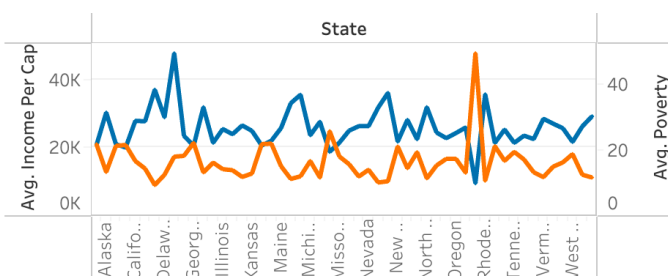
Average Income Per Capita by State



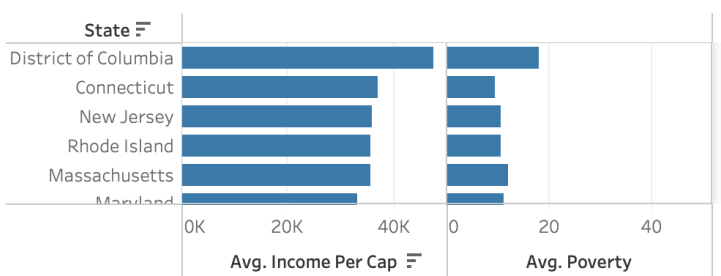
Average Rate of Poverty by State



Average Income Per Capita vs Average Poverty Rate



Average Income Per Capita vs Average Poverty Rate



Resources: N/A