

Insight 1

- **Links:** [Insight 1](#)
- **Summary:** from this dashboard we can see scatter chart for” Income per capita vs poverty by counties in America”, and maps for” Average income by states and county in America”. from this dashboard we can ask: Do states near the coast experience more or less Average income? Let's take an example.

The Average income (27.065\$) for Virginia state (it's near the coast).

This looks like a high Average income. And The income (23.502\$) for Florida state (it's near the coast also), but this looks like a Lower Average income. So This cannot be measured only by the Geographical location.

- **Design:** I use filters for state (if I want Filter by state) and county if I want Filter by county or for (more Details for future questions) and also for Average income (if I want Filter by the numbers). I chose scatter chart to compare tow Quantity fields. And I add county (Categorical field) for the detail in “marks”. And also I add state for Tooltip in “marks” (if I want Filter by county I can see it which state belong to). also I chose for colors (blue degrees).
- **Resources:** N/A

Insight 2

- **Links:** [Insight 2](#)
- **Summary:** from this dashboard we can see bars chart for” Total transportation use by state”, and text tables for” Total transportation use by county” for more details. we can see the high use for each Transportation:
 - **Drive** (20305) in Texas.
 - **Other** transportation (382) in Texas.
 - **Transit** (403) in New York.
 - **walk** (692) in Alaska.
- **Design:** I use filters for (Drive, Other transportation, Transit, walk) if I want Filter by means of transport. And also I use filters for state (for text tables and bar chart) and county (for text tables) if I want Filter by state and county. I chose chart(side-by-side-bars) to visualization 4 fields Quantity and one field Categorical. also I chose for colors (blind colors).
- **Resources:** N/A

Insight3

- **Links:** [Insight3](#)
- **Summary:** from this worksheet we can see bars chart for” Total number of employees (women and men) by state in America. and we can see the highest employees women (30.535) in Texas. And the highest employees men (31.837) in Texas. Through filters we can see the total numbers for Women employees and total numbers for men employees for all state. and also It can be seen that the (employees Women) are less than the (employees men).
- **Design:** I calculated tow Quantity fields, (men/ employees)and (Women /employees).I chose bars chart To see the difference between tow Quantity fields and one Categorical field (state).I use filters for state (if I want Filter by state) and employees Women and employees men (if I want Filter by the numbers). also I chose for colors (blind colors).
- **Resources:** N/A