

Zachavia Bayone

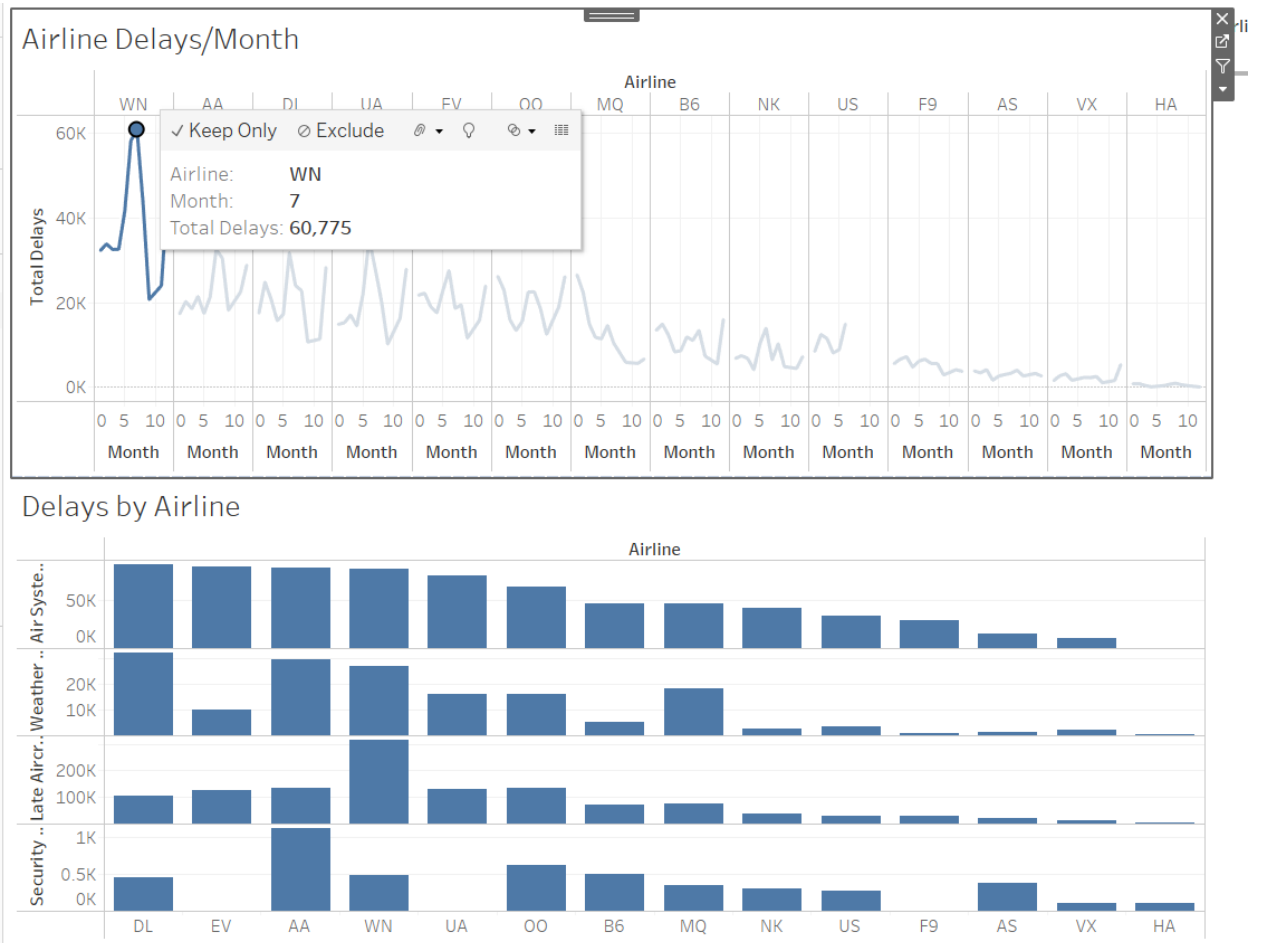
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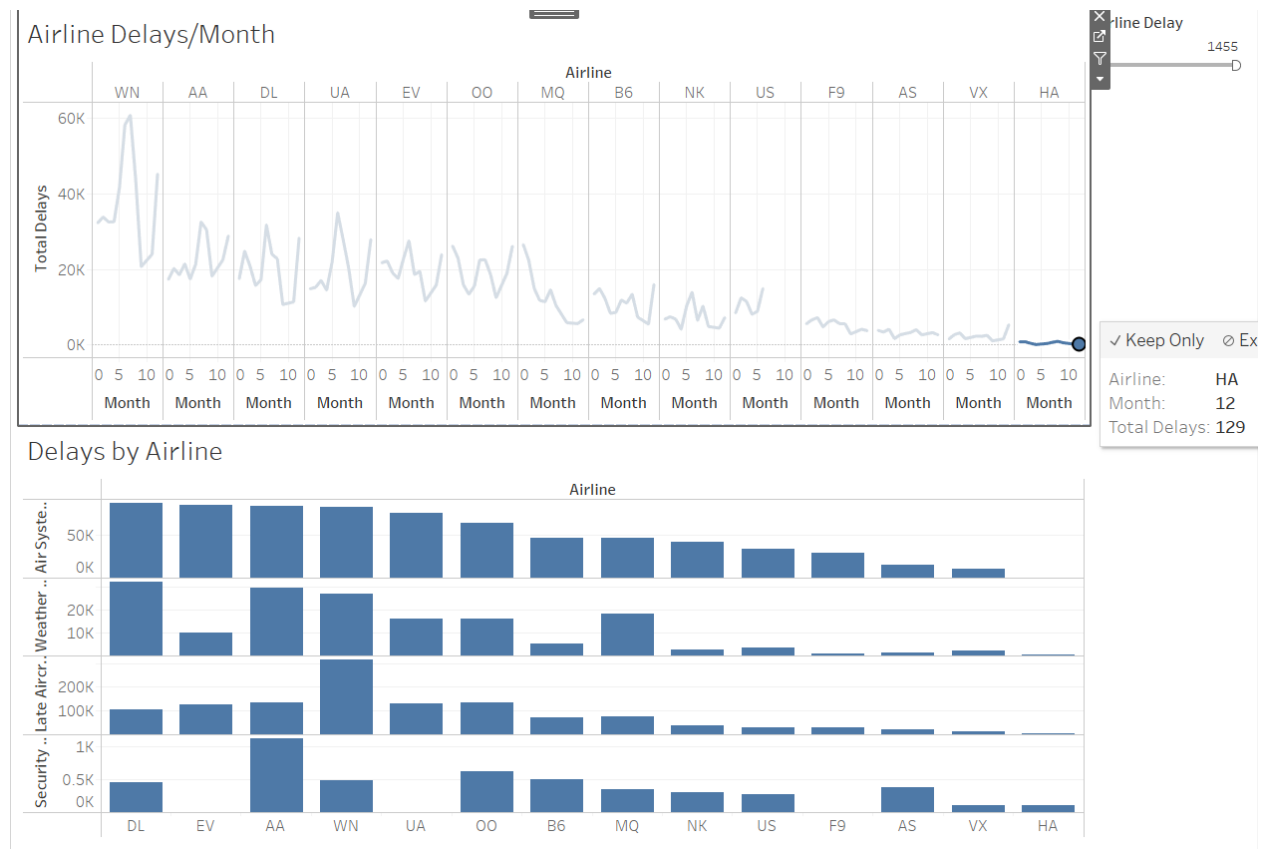
Tableau Project

Flight Delays and Cancellations

- What Month has the most Delays? (part of dashboard)

Link: [Airline Delays Dashboard | Tableau Public](#)





the most delays in the month of July. Alternatively, Airline HA had the fewest delays in December. I used a line graph to show these findings because it displays a lot of information concisely with the ability to hover over points to see the month represented.

Design Comment: I chose a line graph for the first graph because I'm comparing quantitative data over time. The lines make large changes easy to identify and are good for comparisons.

Resource:

- What Causes Delays? (part of dashboard)

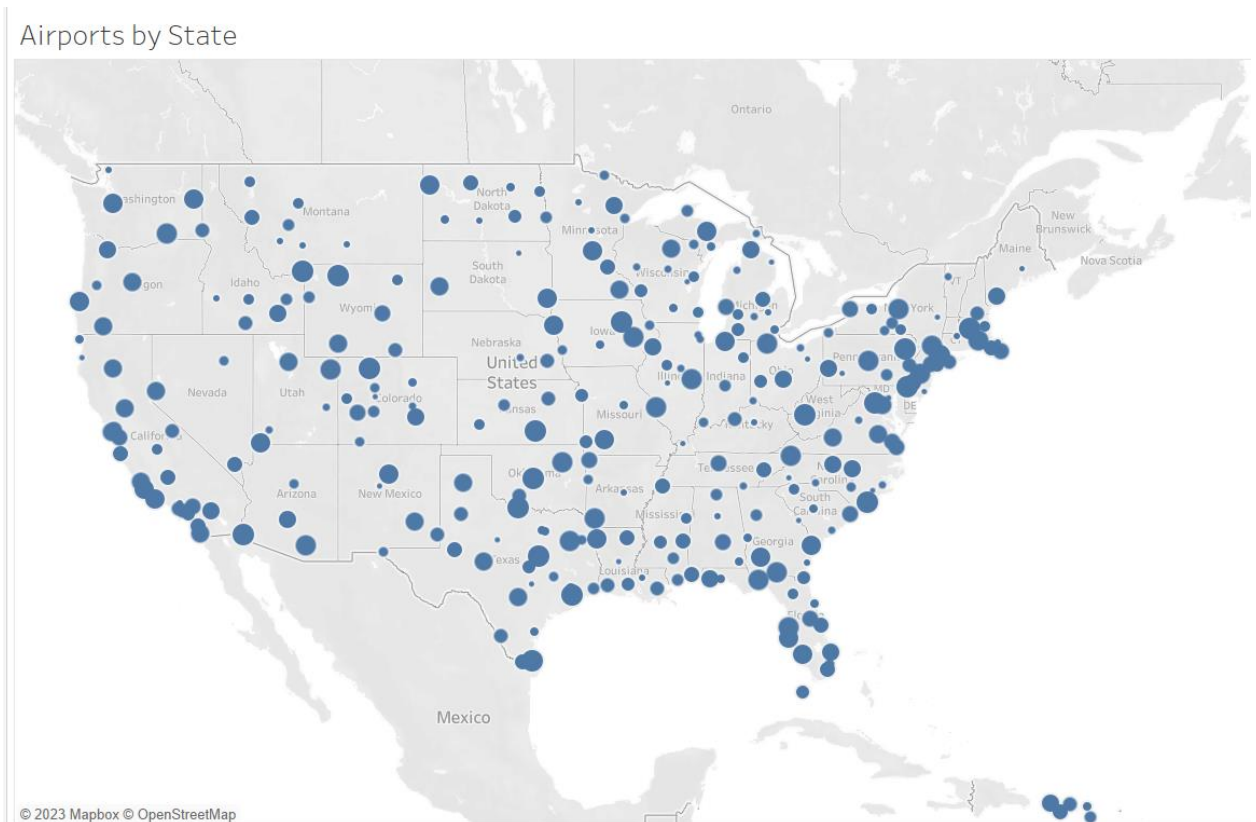
Summary: I have included a bar graph showing how the above delays affect varying airlines. Security, Late Aircraft, Weather, and Air System cause delays. Late Aircraft Delays seem to be the worst with WN having the highest at over 300,000 Late Aircraft Delays. By comparison, Security Delays make up the fewest delays with the highest number being over 1000 at AA. I chose a bar graph to represent these findings because it's easy to compare the delays across Airline and Delays immediately.

Design Comment: The bar graph makes the categorical data across Delays orderly and shows the difference between Delays across Airlines.

Resource:

- What is the spread of airports across the United Airports?

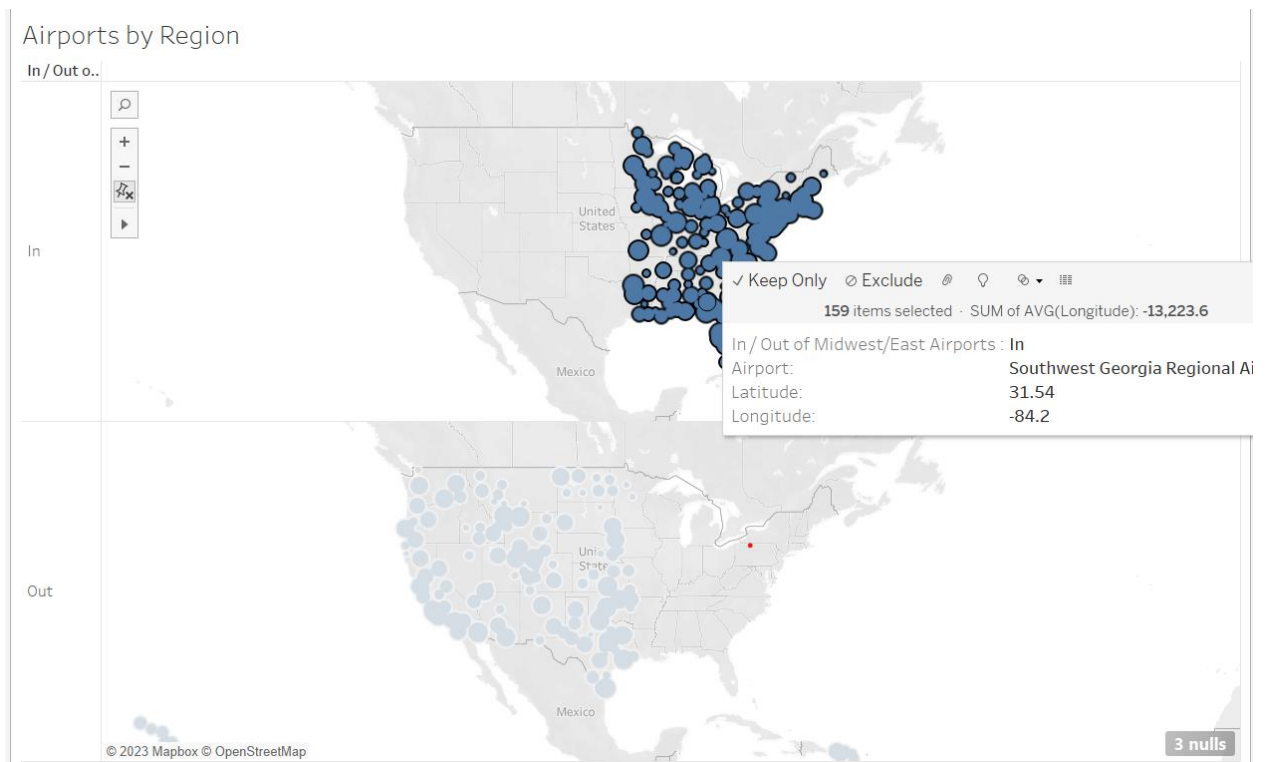
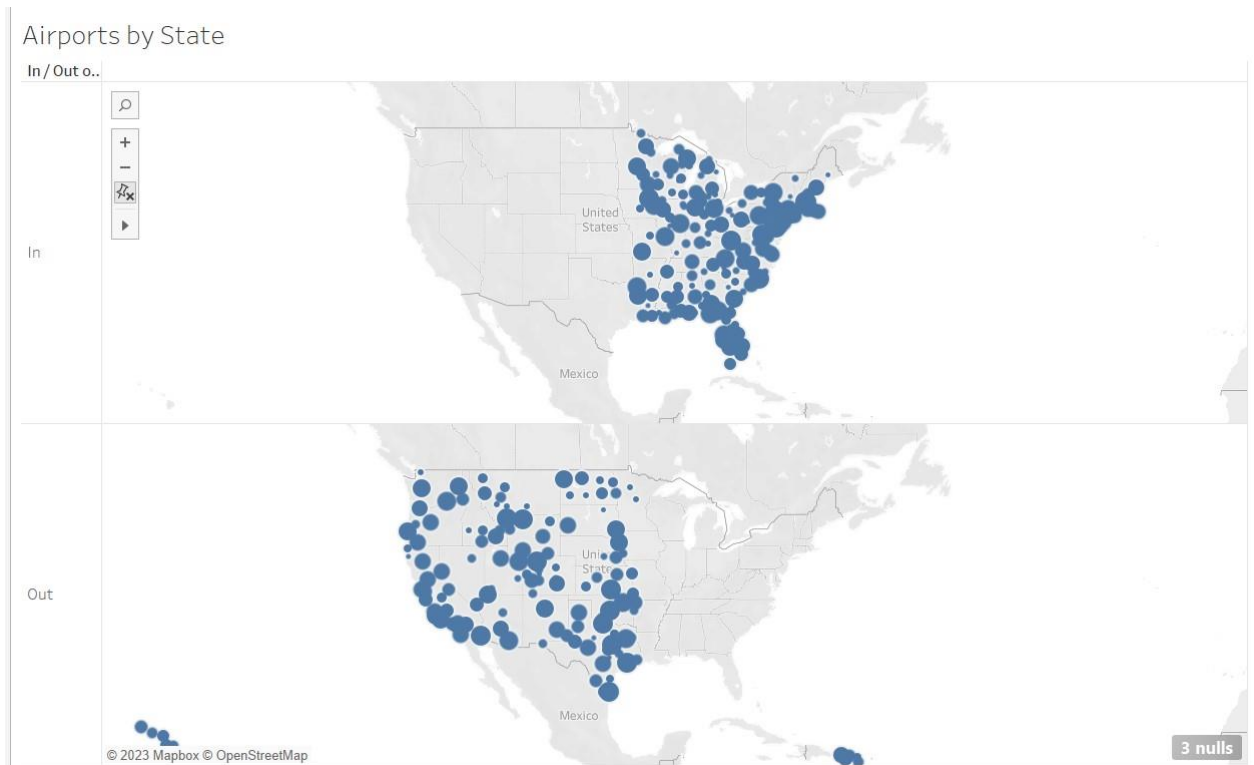
Link: [Airports by State | Tableau Public](#)



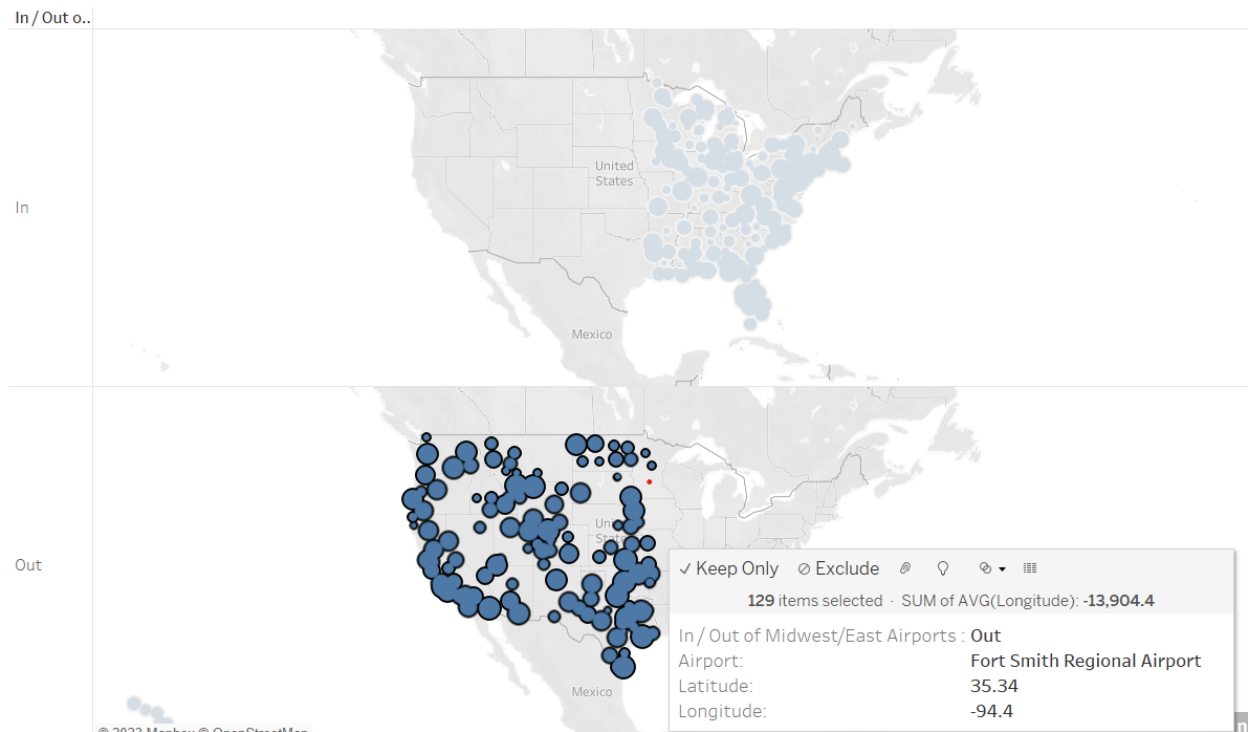
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Airports by Region



Summary: In the above map chart, airports are shown by location. I included two sets comparing the relation of airports in the East/Midwest to the West/Midwest Regions. The East/Midwest has the most airports. I chose a map to show the proximity of airports to one another by state. It's easy to see large clusters of airports on a map especially when states are smaller such as those on the east coast compared to those on the west coast.

Design Comment: I chose to use size again because of the amount of data. It would have been overwhelming to use color or detail. (Please note I didn't do aggregations for the latitude or longitude. I'm only selecting the area to show the number of airports in each set for comparison.)

Resource:

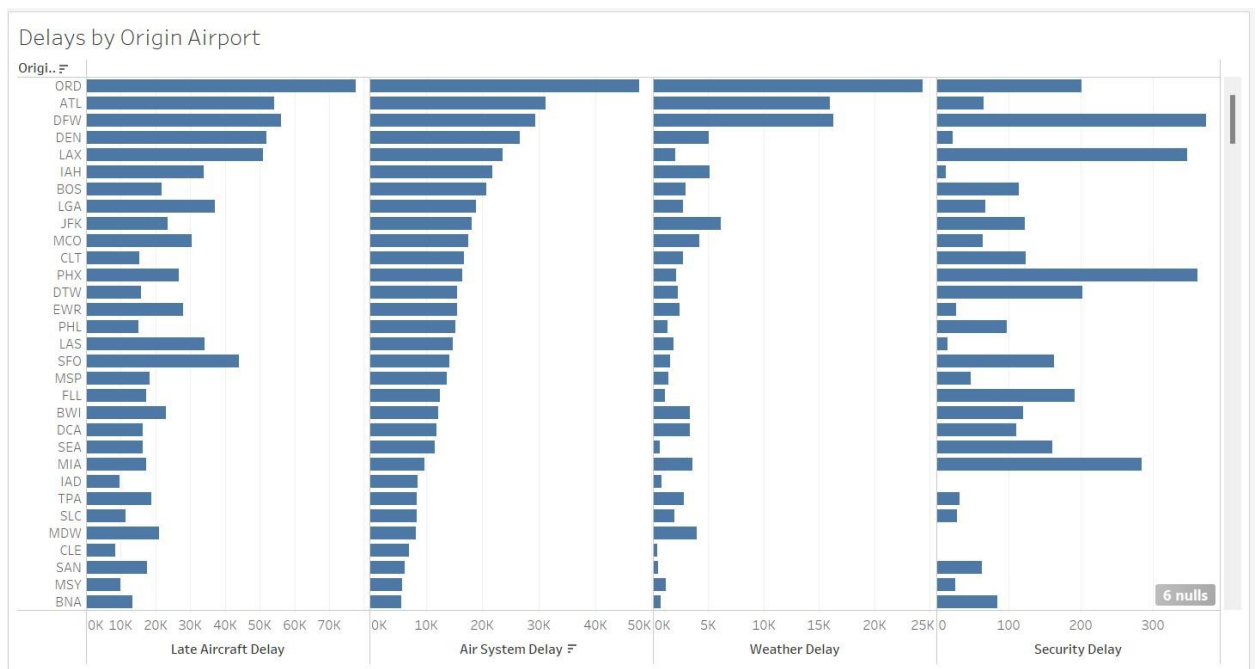
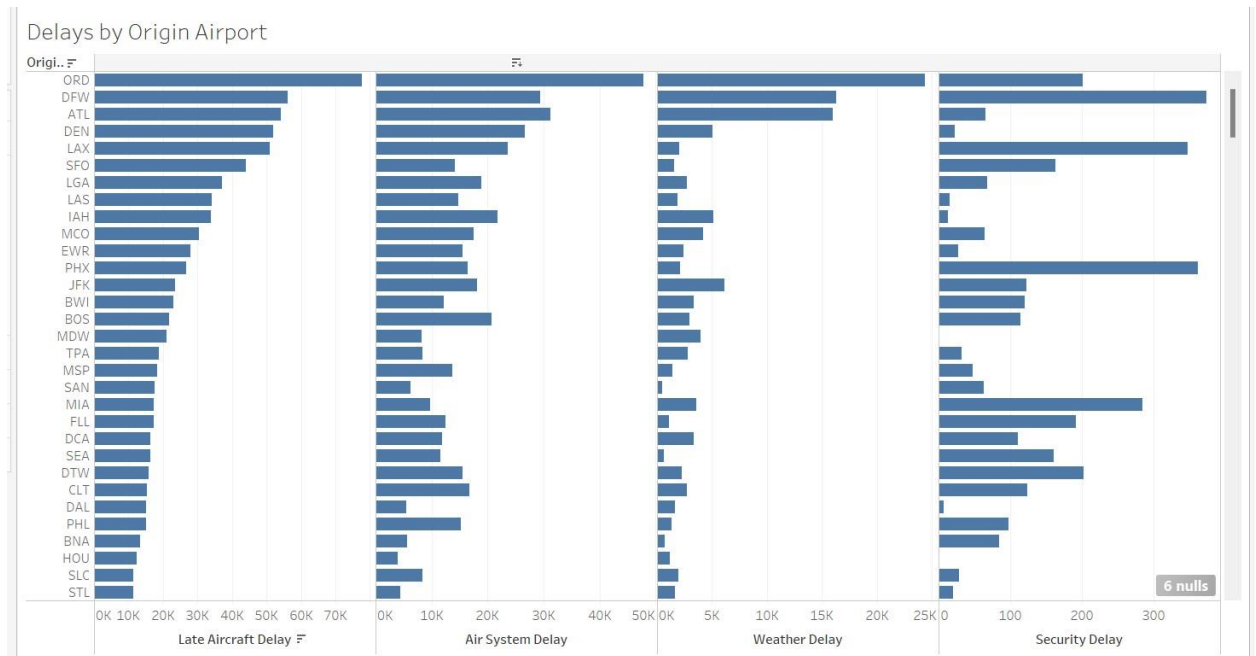
- What airport has the most delays?

Link: [Delays by Origin Airport | Tableau Public](#)

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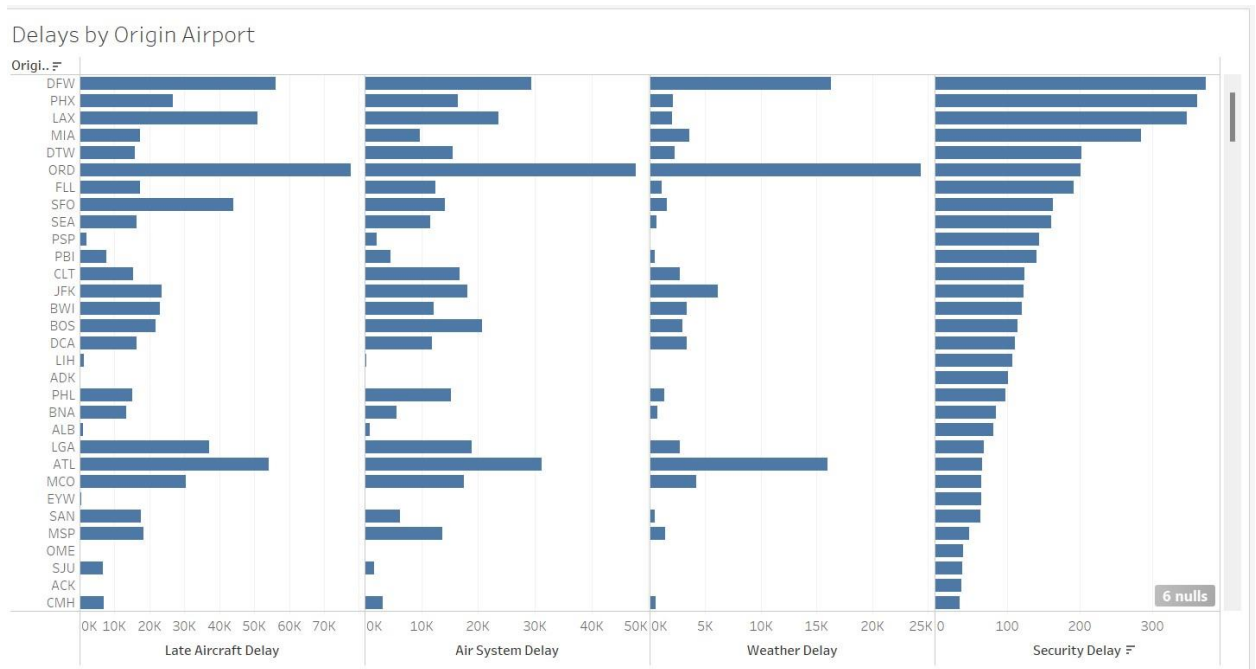
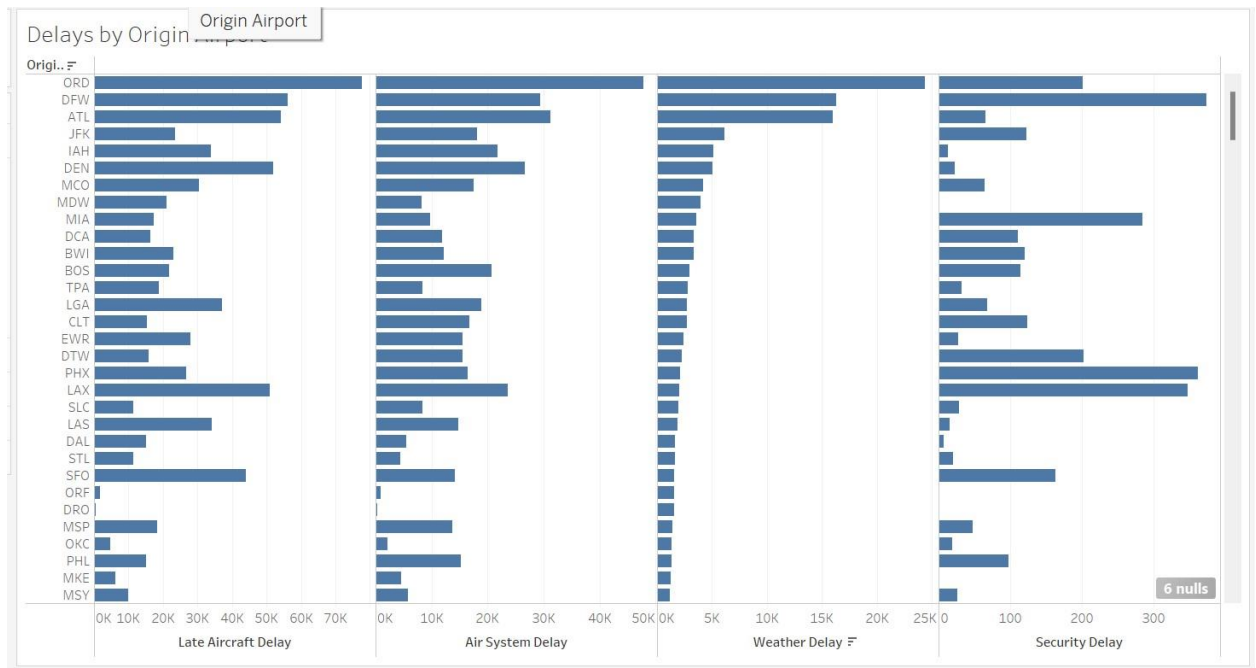
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Summary: This bar chart shows a comparison of Delay Reasons across Airports. Chicago O' Hare has the most delays of all except Security Delays where Dallas Fort Worth surpasses them.

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Design Comment: I chose this chart for this data because it's easy to quickly compare each airport for each Delay type. I kept the data the same color because I felt changing the color of making the colors across Delays different would be distracting and wouldn't add to the data.

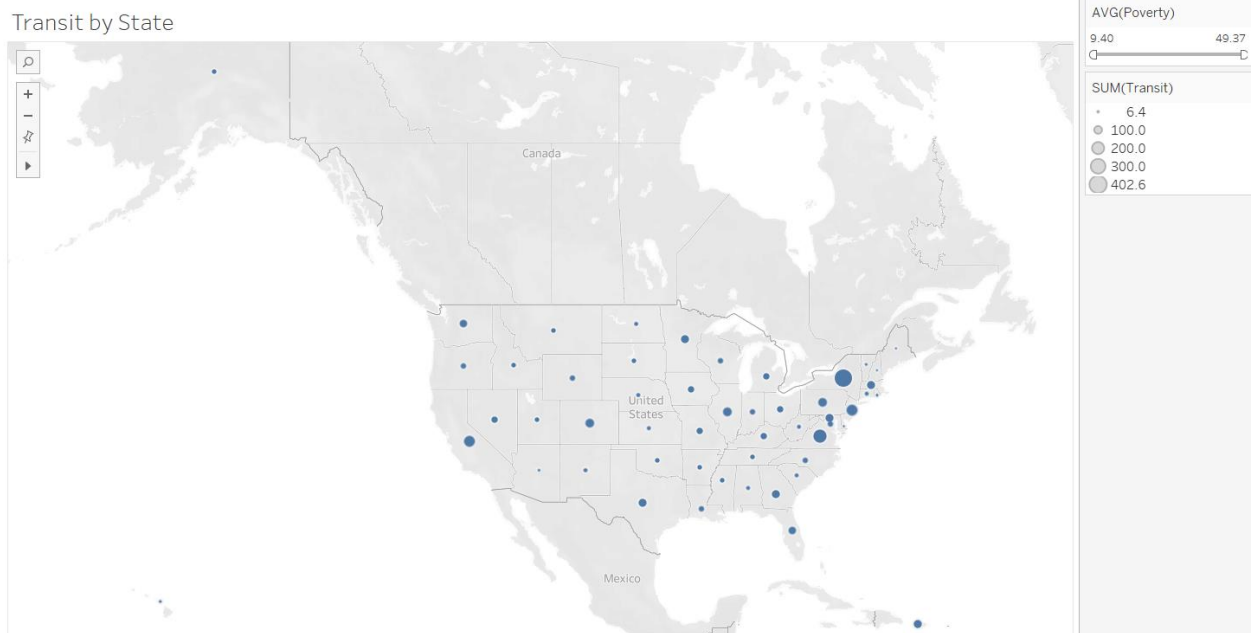
Resource:

EXTRA: (I had already completed this so included it anyway)

US Census Demographic Data

- Which states have the best transportation?

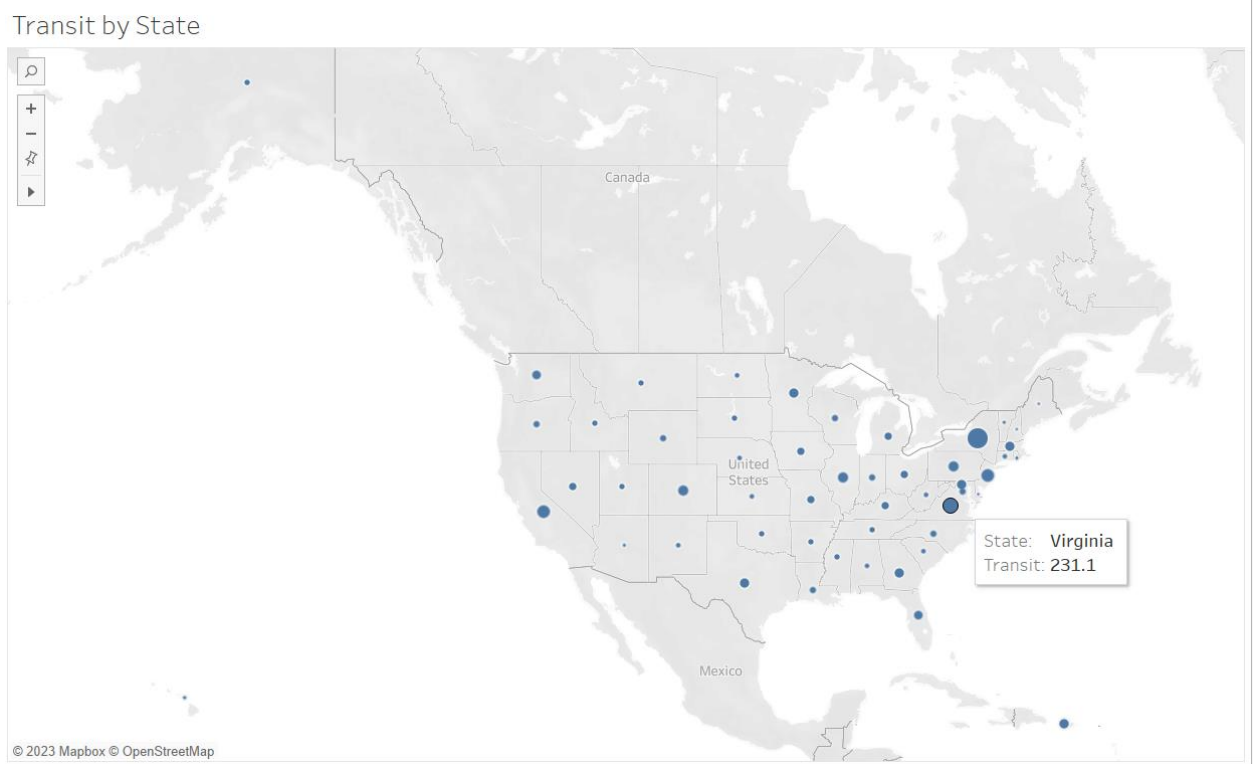
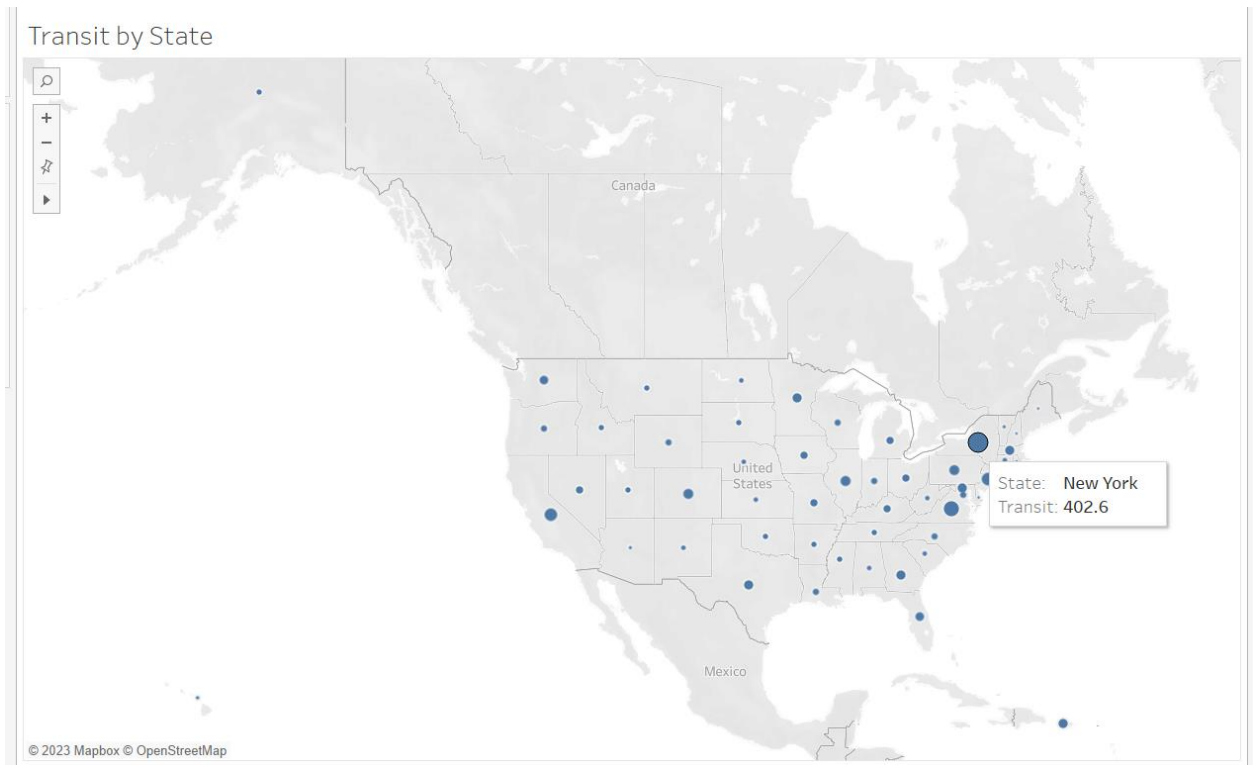
Link: [Transit by State | Tableau Public](#)



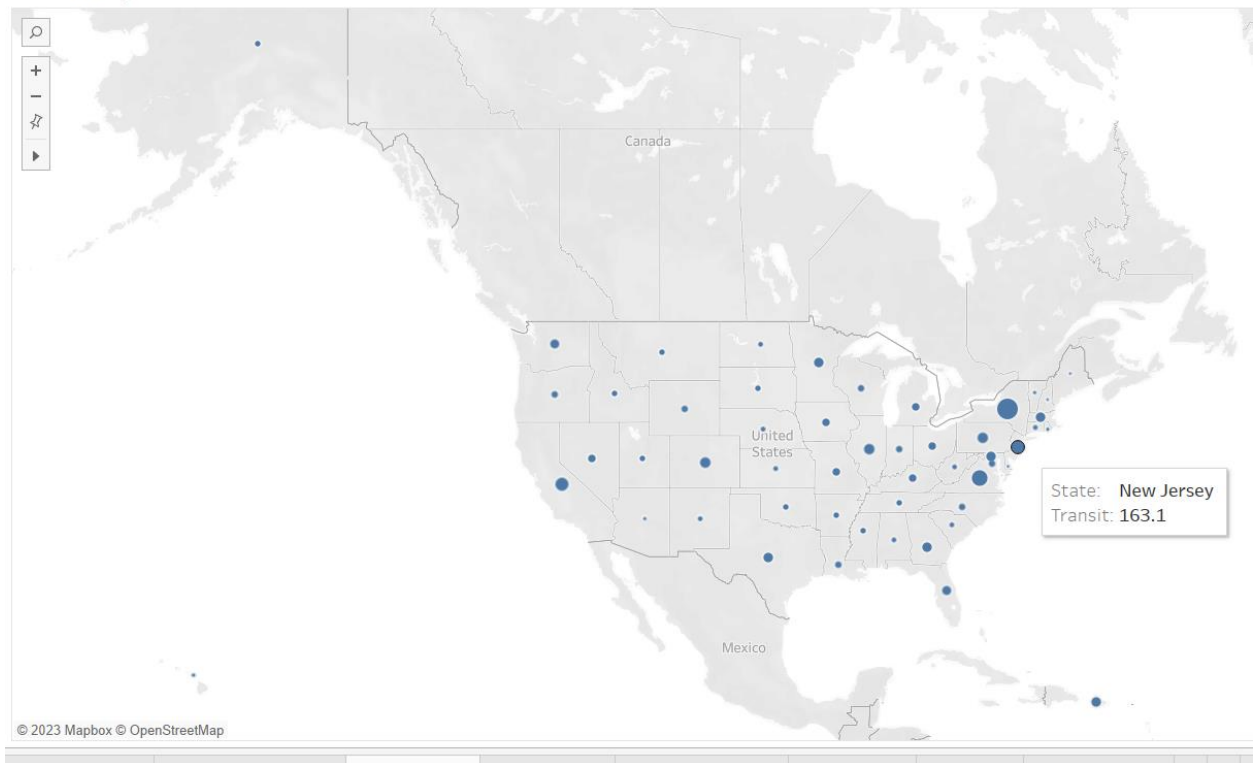
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Transit by State



Summary: In the map graph above, the sum of transit is shown by state. The state of New York has the most transit followed by Virginia and New Jersey.

Design Comment: I used size on the marks tab to show the amount of transit per state. I chose size because it's easy to see where the most transit is on the map. Additionally, you can hover over to get a more specific reading.

Resource:

- What is the range of incomes for men and women in the US?

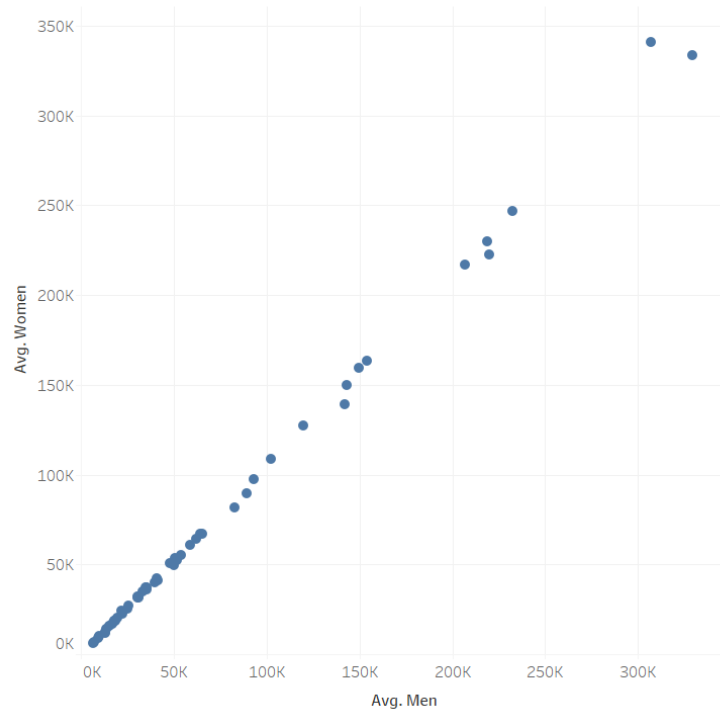
Link: [Average Income | Tableau Public](#)

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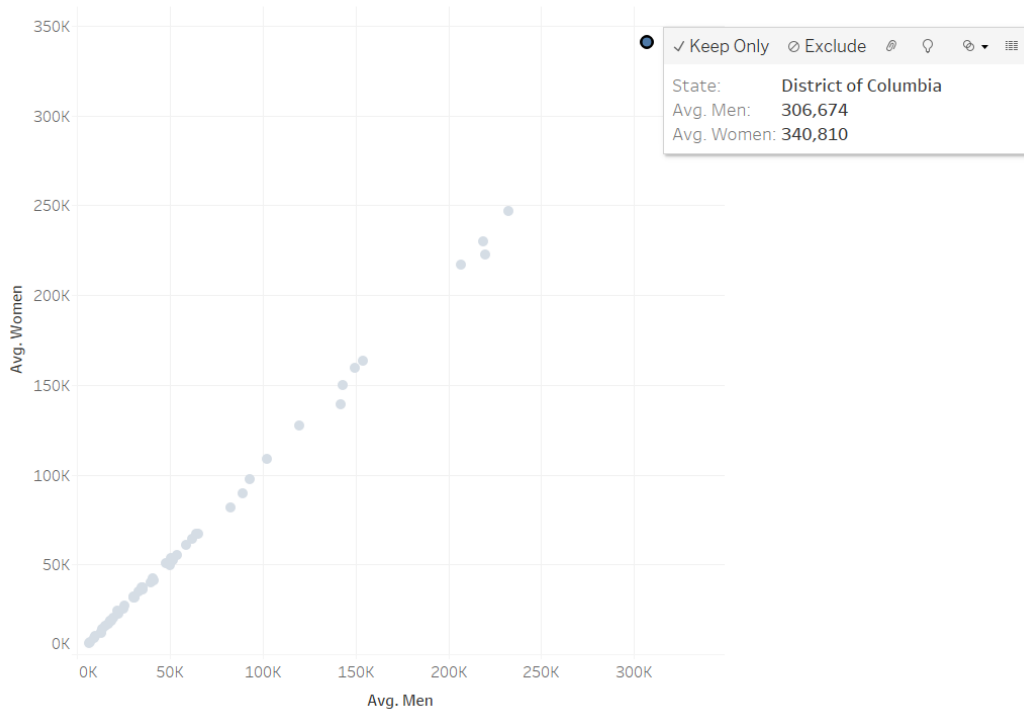
Tableau Project

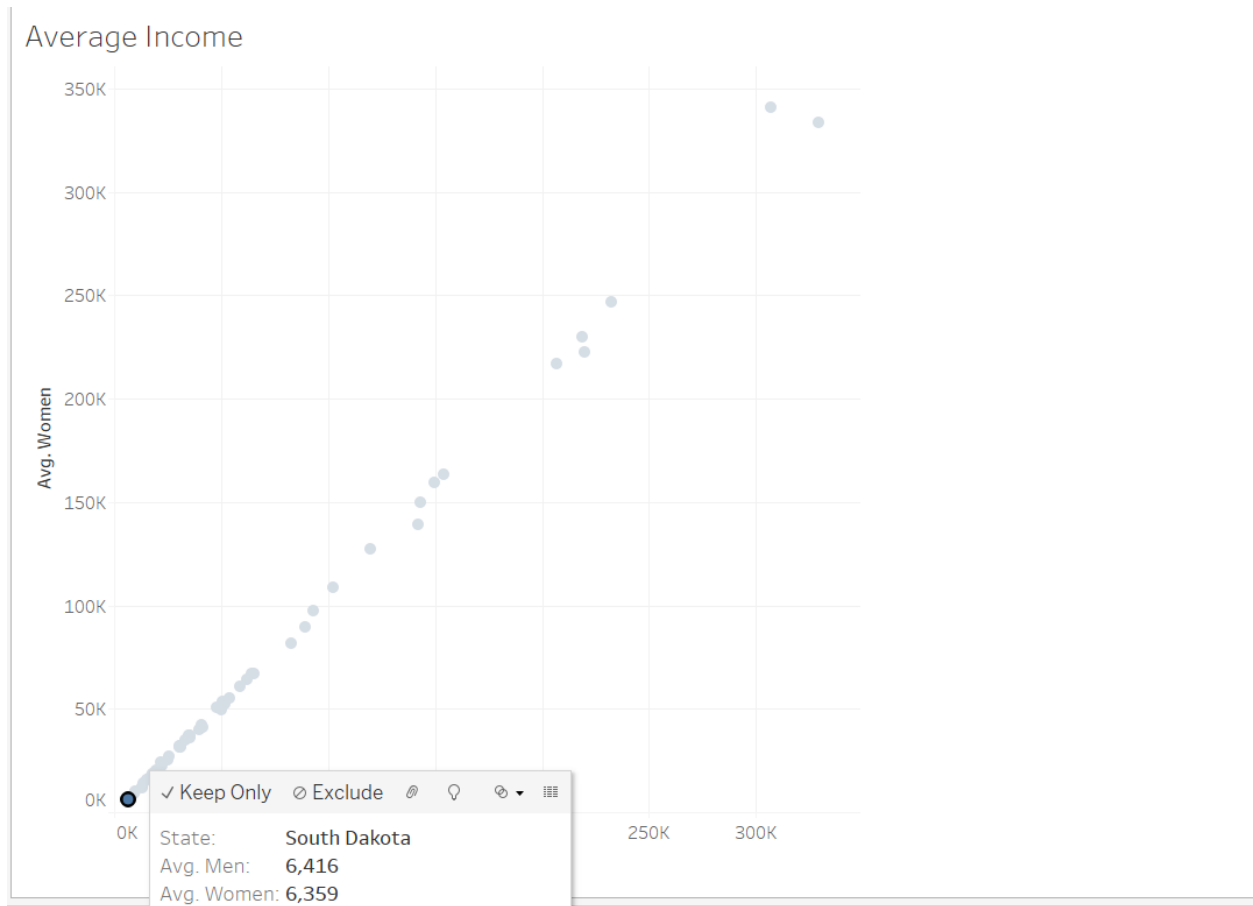
Average Income



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Average Income





Summary: The above circle charts compare the average income for women and men by state. The range for women is \$6,673 in South Dakota to \$340,810 in The District of Columbia. The range for men is \$6,416 in South Dakota to \$306,674 in The District of Columbia.

Design Comment: The circle chart above quickly compares the average income for women to men by state. By hovering over the dots, you can quickly see the average income for both genders by state.

Resource: