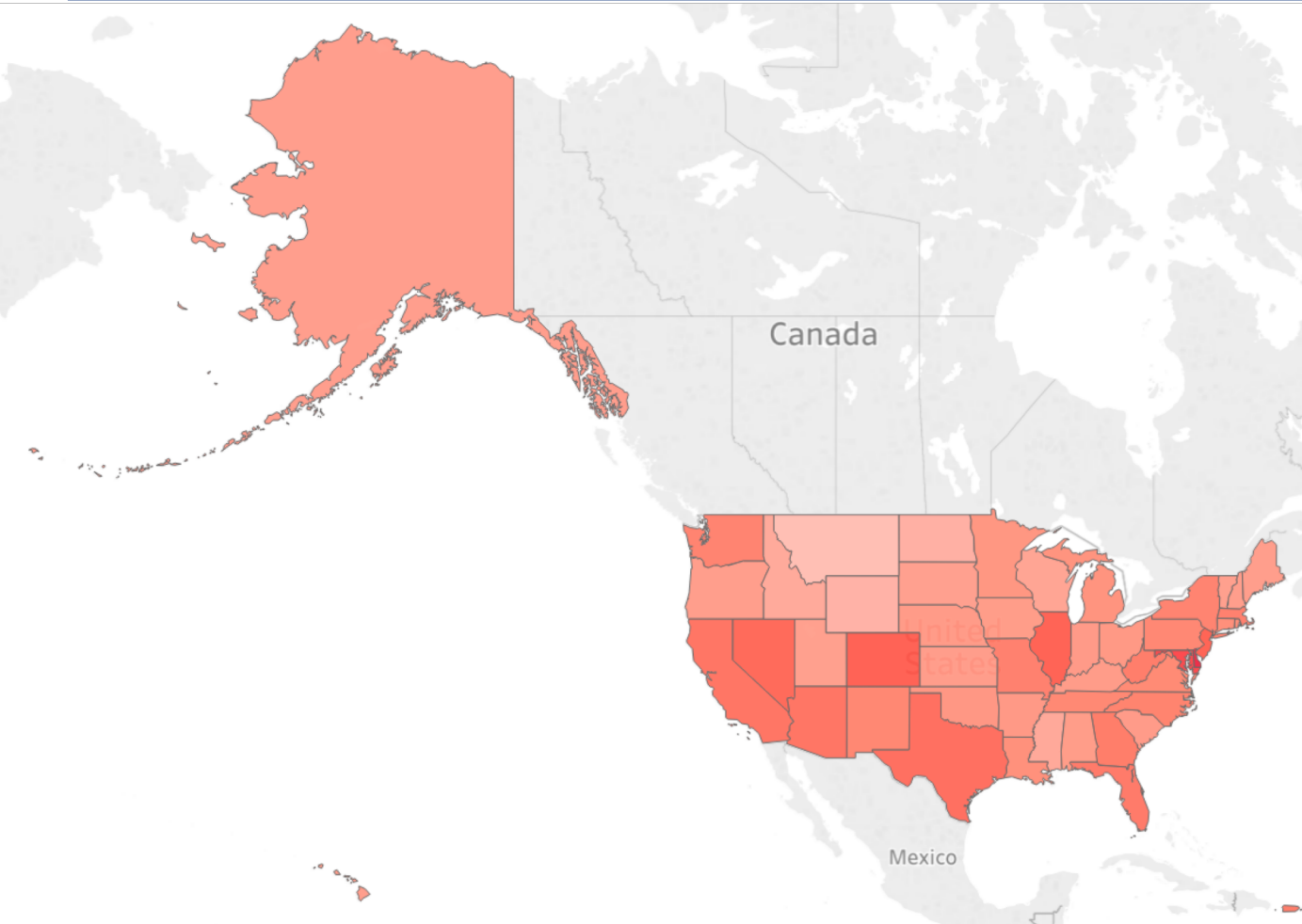


Which states having the highest percentage of delayed flights in their airports?



Here is a map with distinct colors demonstrating the highest percentage of delayed flights in different states (where the origin flight depart).

The darker the red color, the higher the percentage. It follows that Guam holds the highest percentage of delayed flights (67.66%), then Delaware (55%), and Maryland (48.64%).

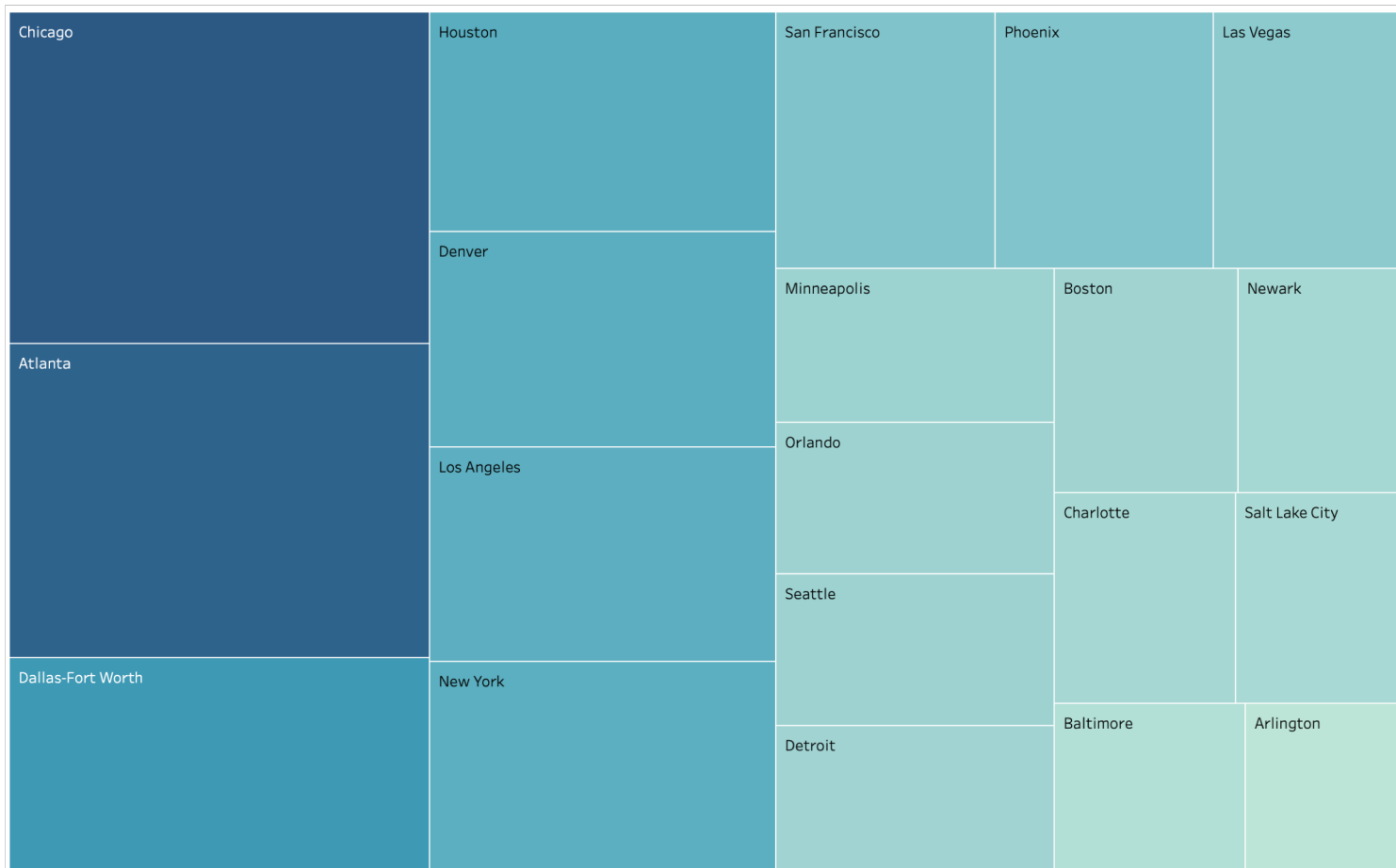
If you move the mouse Crouser over a particular state it will show you the aggregation of the state with the percentage of its delayed flights.

I used map to demonstrate the affect of geography on the percentage of delayed flights. Apparently, the percentage of delayed flights tends to increase in the southwest and the southeast where weather is generally not stable

Link:

https://public.tableau.com/profile/ibrahimalzkeri#!/vizhome/IbrahimAlzkeri_Project4/Whichstateshavethehighestamountofdelaysintheirairports?publish=yes

What is the most favorable destination ?



Here's is a demonstration to the highest destination occurrence.

The darker the color the highest number of a occurrence for a particular destination.

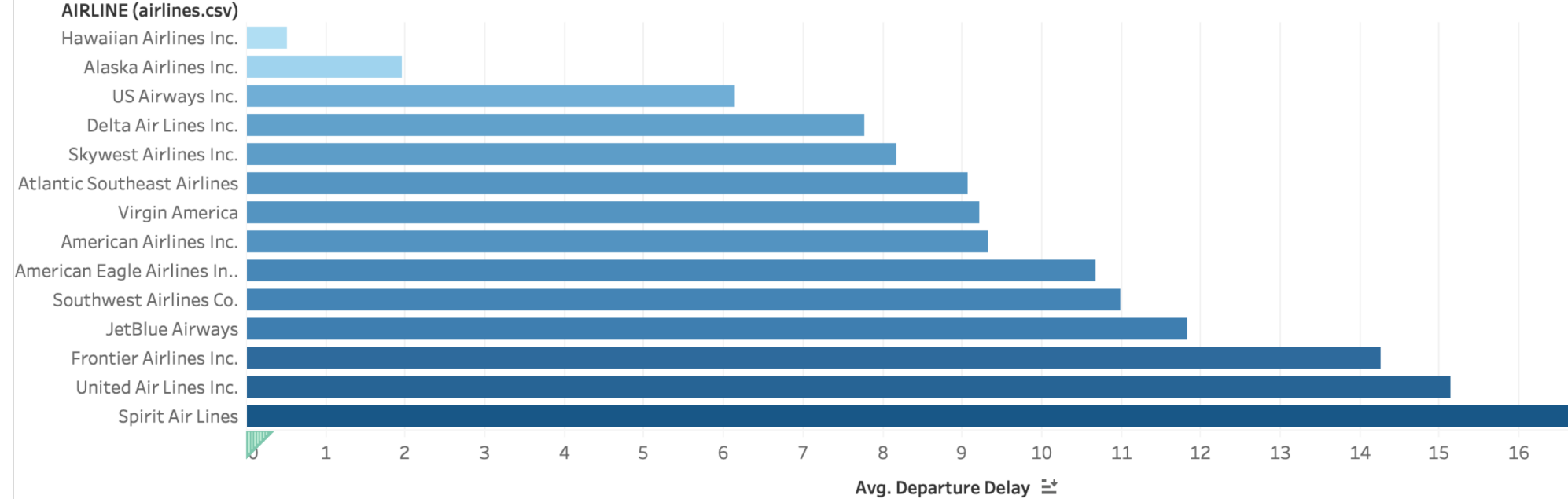
Chicago holds the first place with 366,770 destinations followed by Atlanta (346,836). However, New York is the 7th with 163,416 detonations.

If you move the mouse Crouser over a particular city it will show you the name of the city with the counted number of flights visits to this particular city.

I used tree maps to clarify the difference in the number of destinations.

Link:

[https://public.tableau.com/profile/ibrahimalzkeri#!/vizhome/IbrahimAlzkeri_Project4/The most favourable destination?publish=yes](https://public.tableau.com/profile/ibrahimalzkeri#!/vizhome/IbrahimAlzkeri_Project4/The%20most%20favourable%20destination?publish=yes)



Which is the best and worst airlines in terms of average departure delay?

This Horizontal bar chart shows the best and worst airlines in terms of average departure delay.

The dark blue indicates higher delay averages. Therefore, Spirit Air Lines is the worst airline with an average of 16.68 min, then United Air Lines (15.13 min).

The best airline with the least average delay is Hawaiian Airlines (0.51 min), Alaska Airlines (1.96 min), and US (6.14 min) Airways respectively.

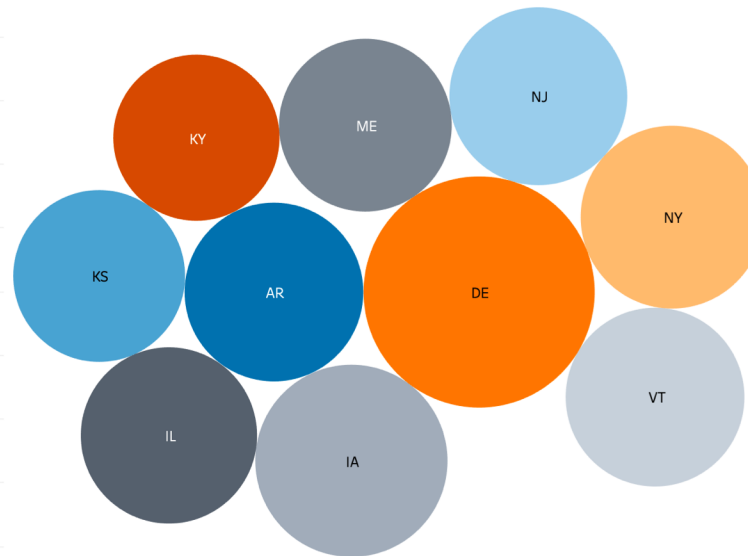
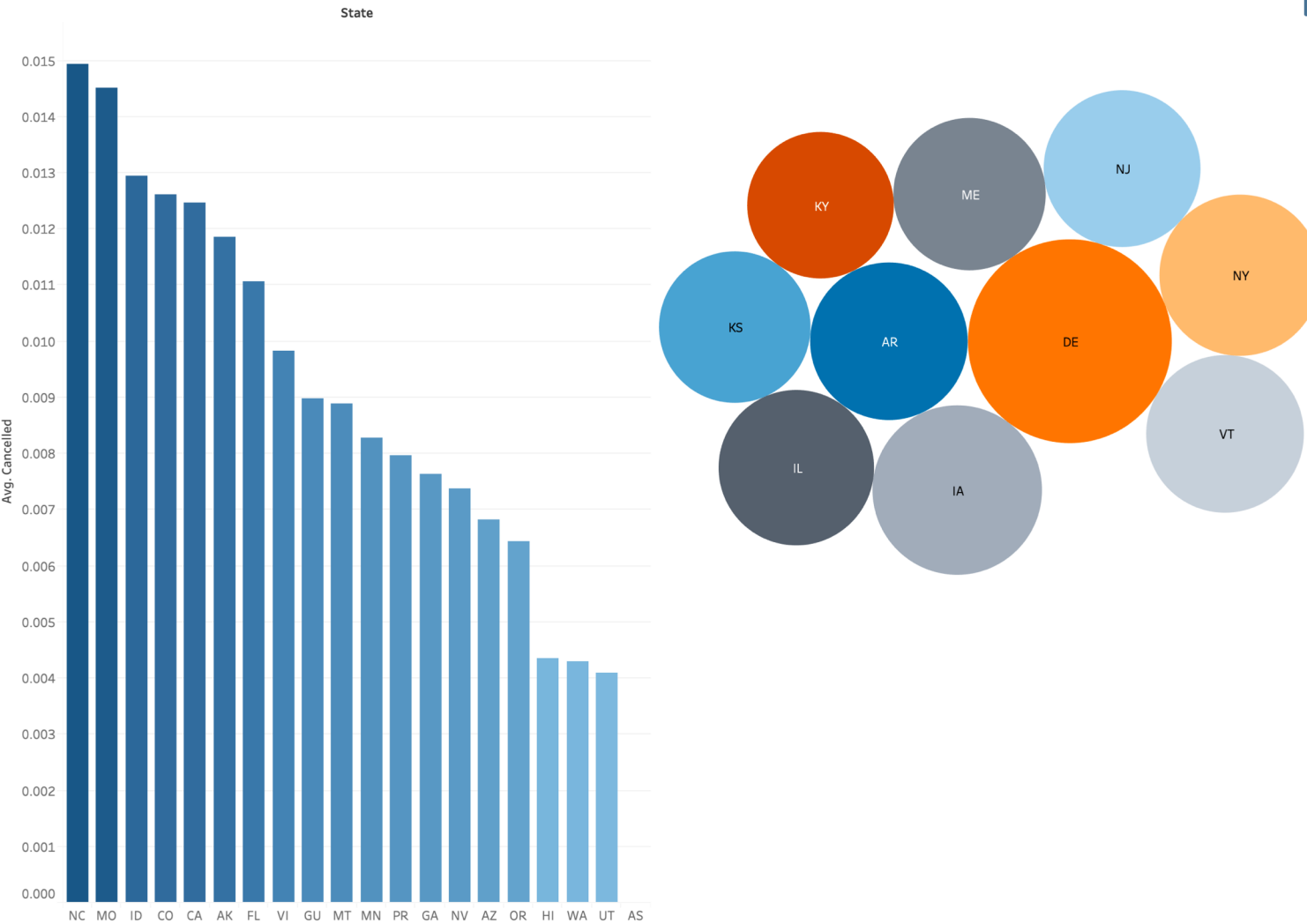
If you move the mouse cursor over a particular airline, it will show you the aggregation of the airlines with the percentage of its departure delay.

I used horizontal bar because I have few items to demonstrate, and also my interest is to order the airlines from the best at the top to the worst at the bottom, so the bar order serves this purpose.

Link:

https://public.tableau.com/profile/ibrahimalzkeri#!/vizhome/IbrahimAlzkeri_Project4/Whichisthebestandworstairlinesintermsofaverageddeparturedelay?publish=yes

Which states having the highest number of cancellations in their airports?



This dashboard shows the best and worst states in terms of flights cancellations (Percentage).

The left shows the 20 states with the least percentage of flight cancelling. The colder the color the less is the percentage. Meaning, American Samoa, Utah, Washington, and Hawaii respectively are the best with the least percentage of flights cancellations.

The right sheet shows the worst 10 states in terms of the percentage of flight cancelling. The larger the circle the higher the percentage. Delaware is the worst with 5% of its flights cancelled, followed by Iowa (3.5%) and then Arkansas (3%).

I used bubble graph to compare the percentage of flights cancelling in an easy to track way, and the vertical bar to detect the exact percentages of the worst 20

Link:

https://public.tableau.com/profile/ibrahimalzkeri#!/viz/home/IbrahimAlzkeri_Project4/Dashboard2?publish=yes