Flight Dataset Dashboard Report

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flight dataset story | Tableau Public

Summary of Report

At first I linked the flight.csv with the longitude and latitude of each airport after that I calculated the distance between the departure and the origin airport and then created those maps with the title that changes with the change of the selected airport.

As the dash board took the theme of the origin and departure I continued with a line plot that measure the delay during the days of week between the departure and the arrival delays and but them on the same graph with same axis normalized so this is easily to compare.

The whole story was built on the comparison between the departure and the origin and I tried to choose two contrasted colors to continue the idea of the theme.

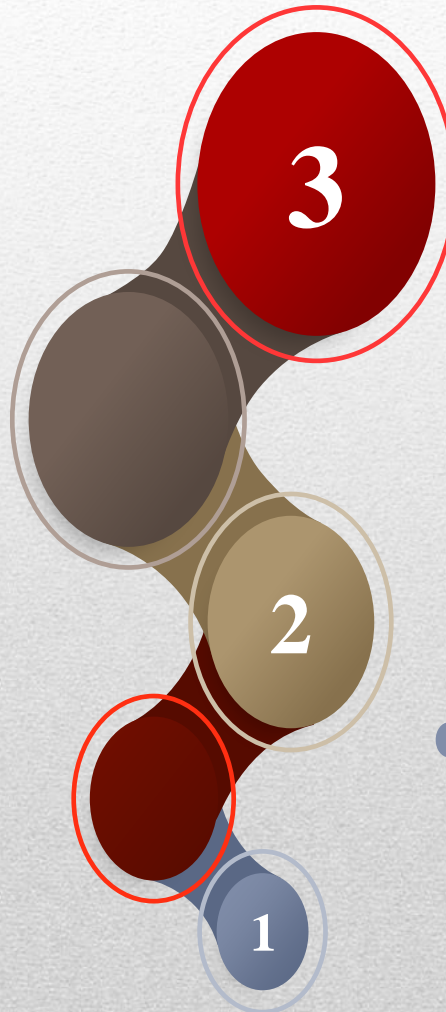https://public.tableau.com/app/profile/sara4334/viz/flightdatasetstory/Story1

The Insights

3

Insight 3

What is the maximum number of airports that can exist in a certain city?

Insight 2

How many total distance and number of flights to a certain city?

2

Insight 1

Which Month that effected most in the flight delays?

1

https://public.tableau.com/app/profile/sara4334/viz/flightdatasetstory/Story1

Insight 1

Line Plot

Departure Vs. Arrival during the month
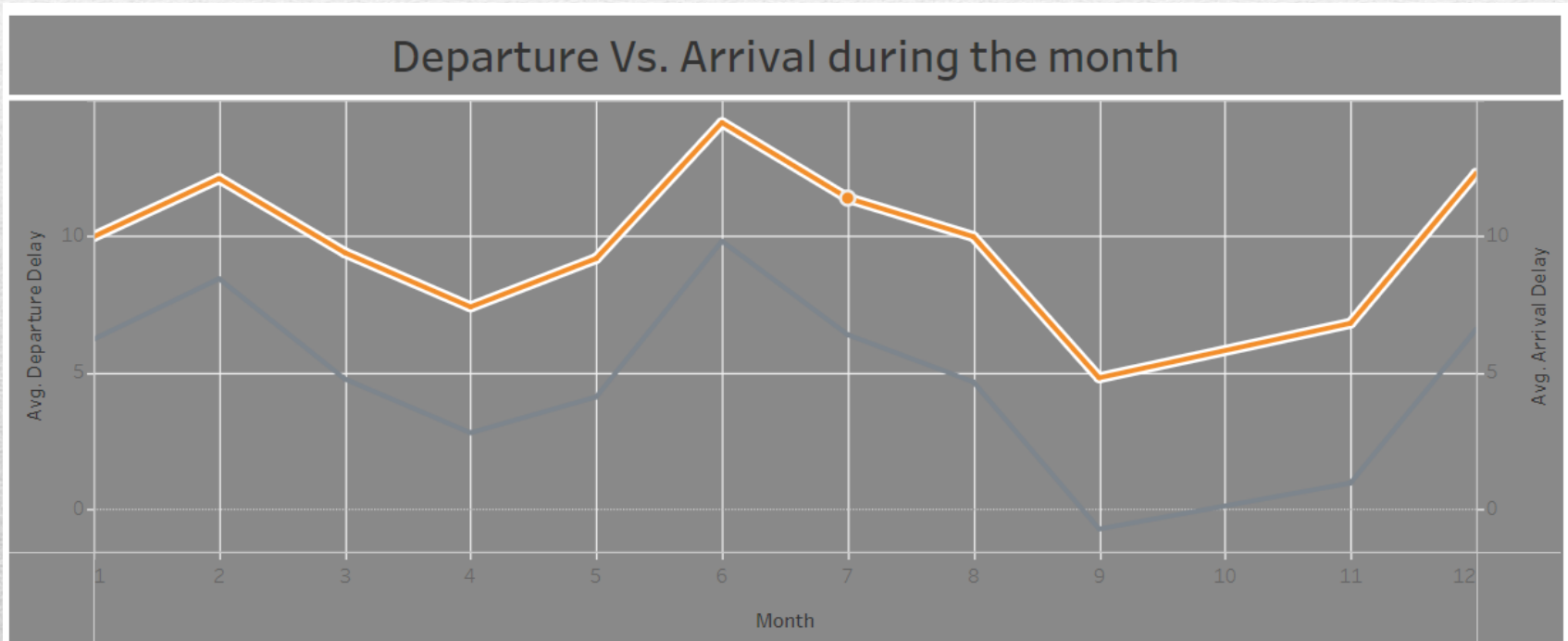
Why Line Plot ?

Line charts usually used in time series data
i.e. Compare between years, months or as in my case the days of week.

This was a great help to see which day have the most delays in the week and which is the least adding more if the increase in the delay in departure will cause increase in the delay of the arrival.
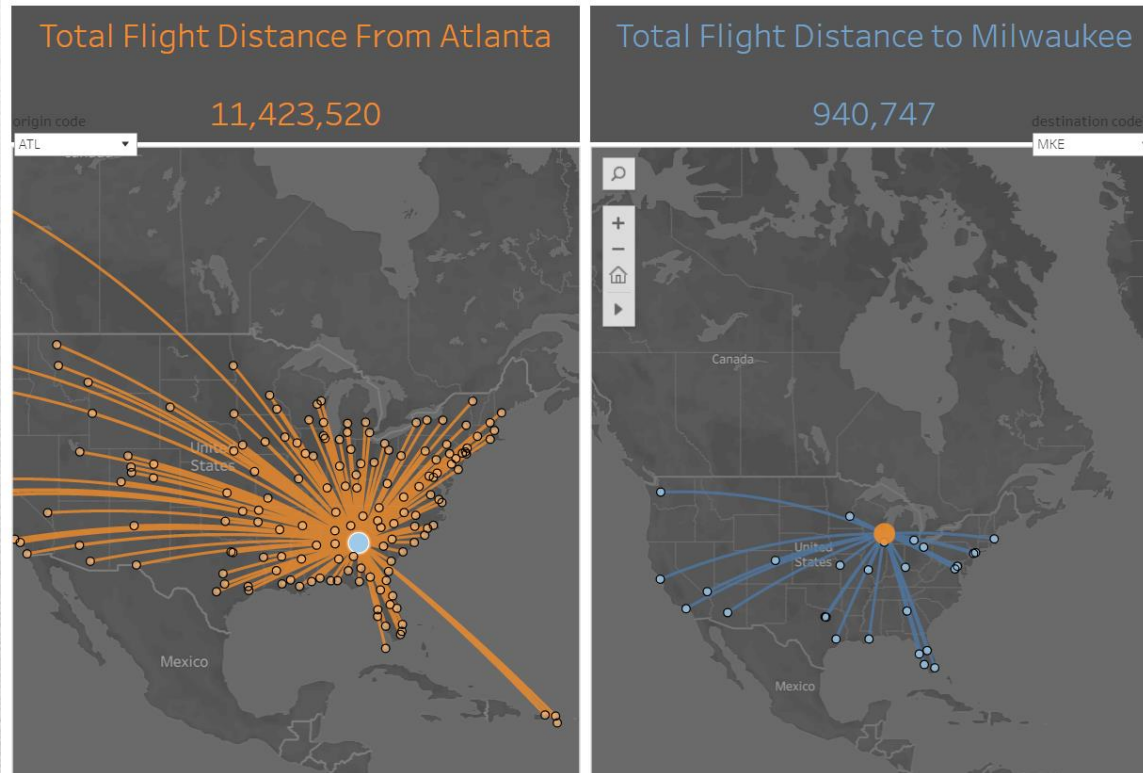
Findings

As seen in the line plot September is the lowest month in the delays in both arrival and departure.

And the highest month is June because of summer and the travel rate is high so lots of delays occure

Insight 2

Map Plot

Total Flight Distance From Atlanta

11,423,520

origin code
ATL

Total Flight Distance to Milwaukee

940,747

destination code
MKE

Why Map Plot ?

The reason for choosing maps was that I want to see the flow of the plans either from or to a certain airport so that's why I think that choosing maps was the perfect choice for them.

The colors in both Maps are in contrast :
Blue and orange
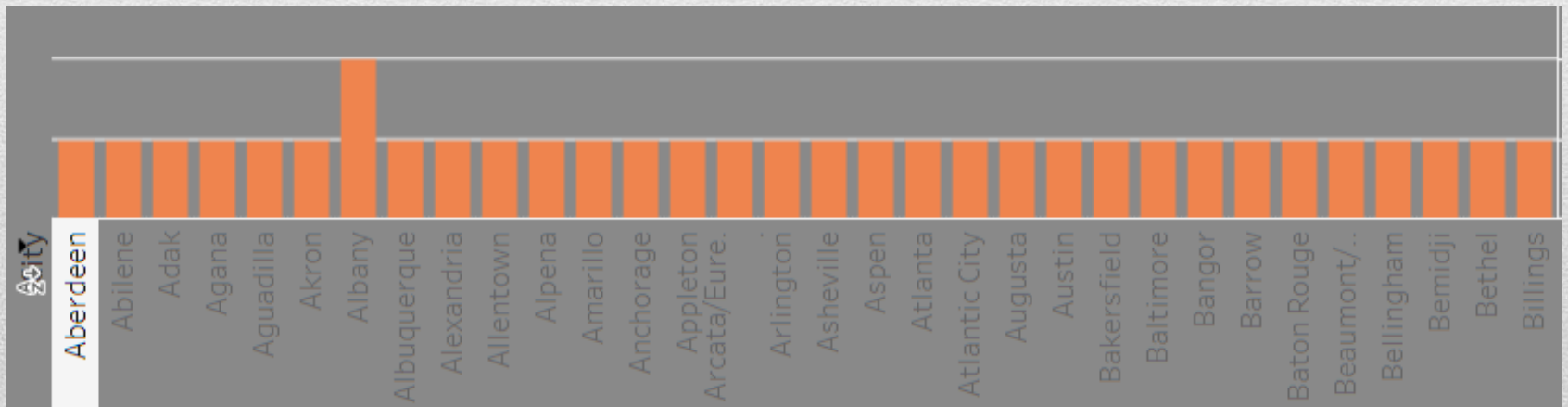This to view the contrast in arriving and departure flights flows.

Findings

Adding filter in this map to be able to see in any city the flow of the flights and calculate the total distance of the flights in both arrival and depature to a city.

Why Bar Plot ?

Bar charts are good choice for the categorical values which was my focus point, as I wanted to count the number of airports in each city.

The bar is vertical to match in the dashboard unlike in the presentation because the space that fit it in the dashboard was vertical.

Findings

The maximum total number airports in a city is two airports.