

Airlines and Airports that have most Arrival Delays

Insights

Creating a bar chart for this visual allowed me to compare between a categorical variable and a numerical variable, I could compare Airline flight delay times by the Airlines, and the Airport Delay by the Airports.

I also made a table, as this makes easier to refer to the full Airline or Airport name and actually using a filter to check each Airline or Airport delays.

This table could also be used to know the Airlines delay specific to each Airport

LINK

<https://public.tableau.com/app/profile/adebayo3592/viz/TravelDelayAnalysis/Dashboard1?publish=yes>

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Summary

Southwest Airlines Co has the highest time delay in the Airlines. Alaska Airline Inc. has the lowest time delay.

Chicago O'Hare International Airport (ORD) has the highest Airport delay and a lot of Airport has zero delays.

The table filter has been enabled, this makes you see different Airlines that operate at different Airports.

Airline Trend Delay

Insight 2

I created a Line graph **to track changes over short and long periods of time of the Airline delays and Arrival delays. Using the bar chart to filter line charts.**

Link To Second Dashboard

<https://public.tableau.com/app/profile/adebayo3592/viz/TravelDelayAnalysis22/Dashboard4?publish=yes>

Summary

It shows from the monthly airline line chart that the sixth month(July) has the highest delay

While the ninth month(September) has the lowest airline delay.

This second Line chart also showed that on the 18th day of all the months has the highest delay which should be looked into as to why there was a constant delay that day.

On the 4th day of the week has the most Airline delay on the final chart.

The filter in the Airline bar chart has been enable to check the different Airlines to know how different Airlines delay on different days.

Weather Delay Dashboard

Insight 3

Map was created to check the State where the weather delay is most in occurrence and happens the most. This will make the narrow down to the States that always have frequent and severe weather conditions. A filter has been added to the map to narrow down easily to states with highest or lowest weather delay.

LINK 3

<https://public.tableau.com/app/profile/adebayo3592/viz/TravelDelayAnalysis4/Dashboard3?publish=yes>

Summary

In the Weather Delay line chart , IT shows there was a surge in the flight weather delay in the second month (February), and In the 6th Month(June0 and 12th Month(December). But has the lowest flight delay in the 3rd and 9th month.

From the Map shows Alaska has the most severe weather conditions that has caused a lot of delays. West Virginia has the lowest weather delay in the country.

For this I suggest the Airport officials should work more with the weather forecast companies to get ahead of days that will have severe weather conditions as this will help their customers in booking their flights.