

# Flights Data

## Links:

Airline Delay

[https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines\\_15648035738190/AirlineDelaysDash](https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines_15648035738190/AirlineDelaysDash)

JetBlue Airlines Delays

[https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines\\_15648035738190/JetBlueAirlineDelays](https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines_15648035738190/JetBlueAirlineDelays)

Total Flight Delay by Day

[https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines\\_15648035738190/TotalFlightDelaybyDay](https://public.tableau.com/profile/jaycarr#!/vizhome/Airlines_15648035738190/TotalFlightDelaybyDay)

## Summary

The data I analyzed was from a 2013 flight database which measure the incoming and outgoing flights of all the airlines. The dataset contained three separate datafiles consisting of tracked information for each airline and their flight data. The first visual depicts the count of the number of airline delays for each airline service. It also shows based on a color, the total distance each airline has traveled. The size of the dot indicates the sum of the total airline. The data shows that Southwest Airlines has the highest amount of airline delays however they have the most amount of airtime and distance.

For the next visual I focus on JetBlue Airways specifically to visualize which categories has the most amount of delay and based on the origin airport. The visualization shows us that JFK, which has the most flights, has the highest amount of delays by far in each of the delay categories. We can also see that DCA has a relatively large amount of flights however they have few delays overall, with most of their delays being weather related.

The third graph depicts the number of delays for each day of the week. The graph plots each delay and its value to show the length of the delay. The trend line shows us that the trend for delay increased typically occurred during the end of the month.

## Design

At first, I had used a bar graph to show some of the visualizations, but I felt that it didn't capture the data accurately. The second go around, I used line graphs and those I showed it to said it was hard to read and understand. So, I made some adjustments before settling on the circles for most of the datasets. This was better received and those I showed were able to better understand the visuals and interpret the data.

## Resources

NA