

# Build a Data Visualization project.

## Links to my flight delay visualization dashboards

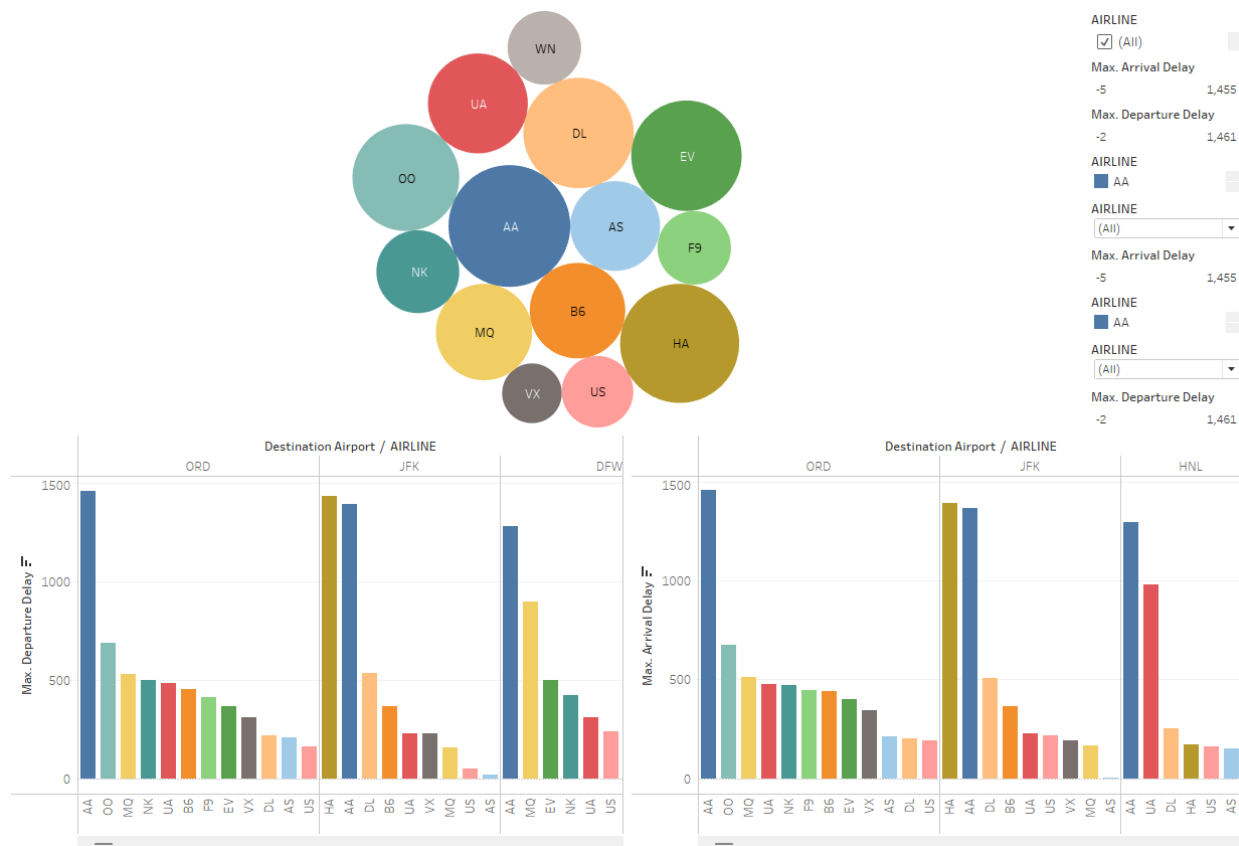
- [What is/are the reason\(s\) for cancellation per week?](#)
- [What are the major causes of flight delays in 2015?](#)
- [Which airlines or airports have the worst delays?](#)

## URL links for each of my visuals from Tableau Public.

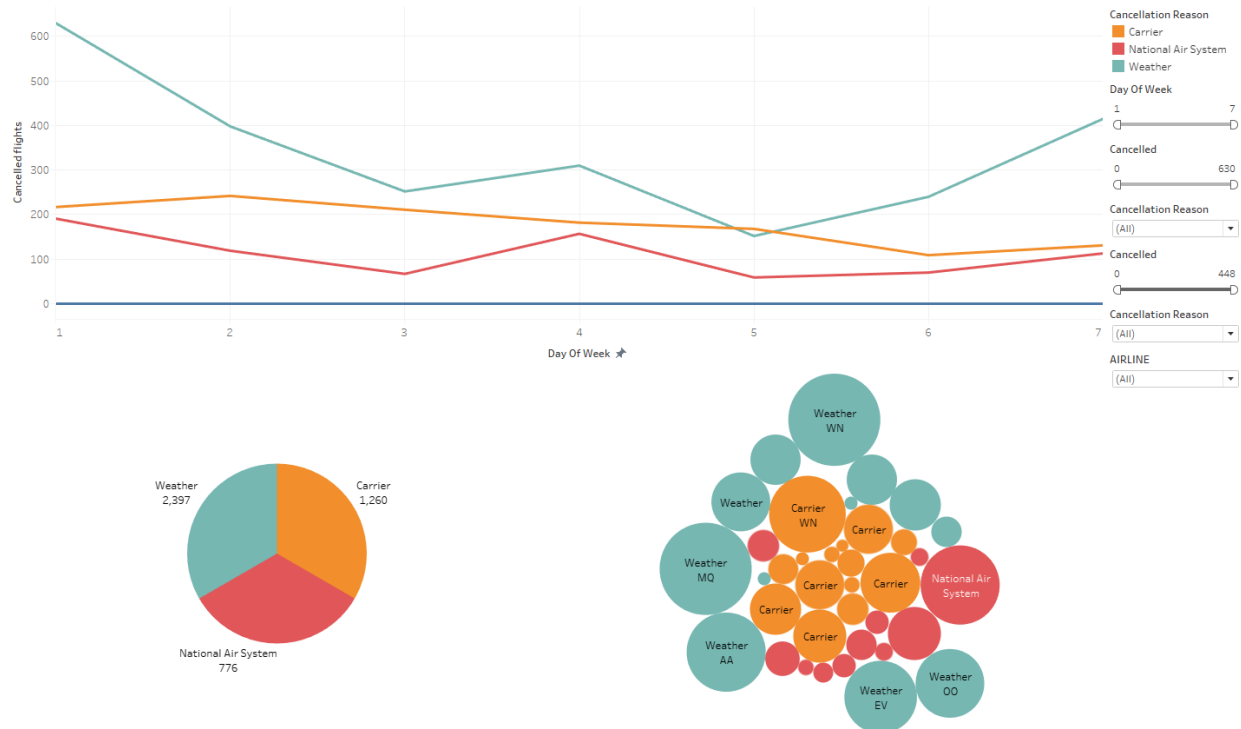
- [Numbers of airport per state in the USA](#)
- [What part of the flight causes the most delays per airline?](#)
- [Part of the flight causes the most delays per month and airline](#)
- [Airlines with highest cancellation.](#)
- [Cancellation reason](#)
- [Cancelled flight per days of the week](#)
- [Which of the delay affects the airline the most](#)
- [Which Airline and destinations have the most delays?](#)
- [Which airline and arrival destinations have the most delays](#)

## Summary & Design: brief description of the visualization and design choices made.

- [Which airlines or airports have the worst delays?](#)

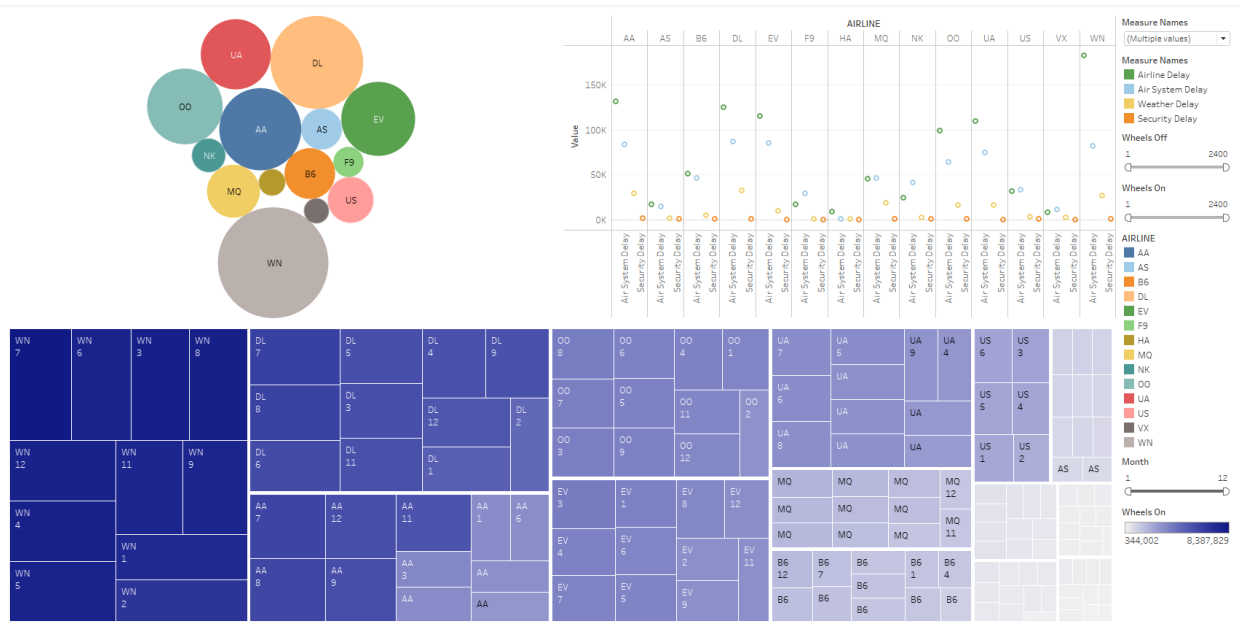


- ❖ This visualization shows the airlines with worst destination and arrival delays in 2015 per airport in the USA.
- ❖ The most destination airline delay can be seen to be American Airline.
- ❖ It can also be seen that the arrival airline delay was American Airline.
- ❖ Side by Side bar charts was used to see the difference in the delays by airline and compare by airports.
- [What is/are the reason\(s\) for cancellation per week?](#)



- ✓ The visualization shows the reason behind flight cancellations and how it varies per week.
- ✓ The highest flight cancellation was due to weather followed by Carrier and then National Air System.
- ✓ First day of the week has the highest cancellation for weather, and National system, while second day was the highest for carrier.
- ✓ The line graph helps in seeing the variation of flight cancellations by days of the week and the pie chart makes it easy to see the distribution of the flight cancellation.

➤ What are the major causes of flight delays in 2015?



- ✓ The major causes of flight delay were better visualize using Packed bubbles, Tree maps, and side by side circles.
- ✓ WN airline experienced the highest delay caused by wheels on/ wheels off in the 7<sup>th</sup> month.
- ✓ VX airline has the least cancellation caused by wheel on/ wheel off with air system delay been the highest cause of delay.
- ✓ It can also been seen that Air system delay has the highest delay and security delay been the least for all airlines.

Resources: N/A