

## Flight Delays and Cancellations

### 1. Which airlines or airports have the worst delays?

We can easily see which airport experienced the most cancellations over the course of a year by looking at this bar map. The top of the list is Hartsfield-Jackson Atlanta International Airport with 18,056 cancellations, followed by Chicago O'Hare International Airport with 14,684 cancellations and Dallas/Fort Worth International Airport with 12,281. Martha's Vineyard Airport has the lowest score, with two cancellations in the last year.

<https://public.tableau.com/profile/nada.alsalem#!/vizhome/Q1-FlightCancellationbyAirportinyear2015/Sheet3?publish=yes>

### 2. What causes delays?

On the map, we can see which states in the United States of America have the most and least flight cancellations, and we can see that Texas has the most cancellations and Delaware (DE) having the least, at four cancellations. You can look into it further by using the 'Months' filter, which ranges from 1 to 12. The shift in colour density is used to distinguish between the highest and lowest ranking products, as well as to accommodate people who are colour blind.

<https://public.tableau.com/profile/nada.alsalem#!/vizhome/Q2-CancellationsReasons/Sheet3?publish=yes>

### 3. How Many flights are diverted due to any reason?

This dashboard displays the number of flights that have been cancelled or diverted, as well as the number of significant delays such as air system, weather, and security delays that may cause a flight to be diverted or cancelled for safety reasons.

At the end of a 12-month period, Delta Airlines had a higher number of delays due to air system and weather delays but had less instances of flights being cancelled or diverted than Southwest Airlines, which had more flights cancelled and diverted. With a filter for months ranging from 1 to 12, you can look at these improvements over the course of a year (12 months)

<https://public.tableau.com/profile/nada.alsalem#!/vizhome/Q3-CancellationsandDivertedFlights/Dashboard1?publish=yes>

**Note:** I haven't used any resources (N/A)