

Insight 1. Flight cancellation per state.

Link:

<https://public.tableau.com/profile/akm.zakaria6869#!/vizhome/FlightCancellations Per State Insight1/Dashboard2?publish=yes>

This dashboard shows which state has the most flight cancellations. The darker color, the more cancellations occurred in that state. According to the map, Texas (668) and Illinois (563) are the states with the biggest number of flight cancellations. The bar chart shows the data for all the states in descending orders: Texas and Illinois, followed by the other states that have the most flight cancellations. West Virginia and Montana had the fewest number of cancellations with only 3.

In the dashboard I have also added a filter in the map that allows to get more accurate information. The aim of the filter is to see which day of the week has the most cancellations. For example, if we filter by Monday we can see Illinois has 162 cancellations, followed by Texas with 140 cancellations.

Insight 2. Top Five of airports with the most flight cancellation in America

Link:

<https://public.tableau.com/profile/akm.zakaria6869#!/vizhome/TopFiveofairportswiththemostflightcancellation Insight2/Sheet3?publish=yes>

I have chosen a bubble chart to show relational values without axes. To ease visualization and to emphasize data, I have decided to create a Top Five, so only five bubbles are shown. The size of the bubbles is conditioned by the number of flights cancellation that an airport has, so, the bigger the bubble is, the highest number of cancellations an airport has. As shown in the graphic, the airport with the most flight cancellation in America is the Chicago O'Hare International Airport (454) followed by the Dallas/Fort Worth International Airport (342). The bubble chart allows us to check easily which is the airport with the less flight's cancellation, the Denver International Airport (137).

Insight 3. Top Five most delayed/Cancelled airlines by month.

Link:

<https://public.tableau.com/profile/akm.zakaria6869#!/vizhome/TopFivemostdelayedCancelledairlinestrendsbymonth Insight3/TopFivemostdelayedCancelledairlinestrendsbymonth ?publish=yes>

In this line chart we can see which the most delayed/Cancelled airlines are for each month. The reason why I have chosen line chart because it allows me to understand a trend in data with respect of months. I have added a filter that allows to get more detailed information about delays. American Eagle Airlines Inc. is the airline with the most delays in February (203), followed by Atlantic Southeast Airlines (177) and South West (172) in the same month. From graph it is observed that over months the high rate in delays dropped across these Airlines and during the month of September we noticed the least numbers in delays across all the Airlines.

Resources. - Dataset: <https://www.kaggle.com/usdot/flight-delays/data>

Project walkthrough: <https://www.youtube.com/watch?v=9xqHA732LMA>