

## Insights 1 (Maximum Flights cancelled in which month?)

<https://public.tableau.com/profile/piyush.bansal5510#!/vizhome/Flightscancelledinmonths/Sheet1?publish=yes>

Here, I showcased the data of cancelled flights per month. As per data, we can see that most flights are cancelled in the month of February which is accounting to 1058, that is really a huge number. The reason behind this may be that this month just come after the occasion month, so people may doesn't want to go.

The month with the least cancellation is September with only 108 cancellations, because the weather at that month is best for vacations.

Design

Firstly, I was choosing the pie chart to showcase the data, but visualization was not so good and it became a lot groupie because of many categories so, I choose the line plot because line plot perfectly showcase my data without any problem.

Resources

N/A

## Insights 2 (Average arrival Time Delay of the Airline with the Flight Number?)

<https://public.tableau.com/profile/piyush.bansal5510#!/vizhome/AveragearrivalTimeDelayoftheAirli newwiththeFlightNumber/Dashboard2?publish=yes>

Here the visualization showcase the average arrival delay of the flight of the particular airline with the particular flight number along with month. We can also visualize our data with by selecting the destination airport. Here, I added the flight filter so that the user can see the see of the particular flight number with the particular airline

Here, the Airline with the maximum delay of 15.73 is NK. This data can be used to judge the services of the airline, whether the airline can be trusted or not. The lesser the arrival time delay, the better the better the airline would be. The best airline with minimum average Time delay is AS with (-0.49). This '-' shows that airlines arrives to its destination before its calculated time.

Design

First, I chose highly table plot, although it was showing my data correctly, but visually it was not so fascinating and neither look so good. Then I visualize my data with horizontal bars, it was really so much fascinating and correctly showing the data, the way I want and circles view was showcasing per month day too easily

Resources

N/A

## Insights 3 (Total flights delays with the months?)

<https://public.tableau.com/profile/piyush.bansal5510#!/vizhome/Totaldelayspermonth/Sheet3?publish=yes>

To analyse what are the reasons per month any flight is getting delayed each month is an essential point in increasing the productivity of any airline and decrease delays.

Here, months and measures name (late aircraft delay, security delay, airline delay, air system delay, arrival delay and Departure delay) are chosen as columns and the value of measures are rows. One can select the month of which they want to see the total delay of flights of each reason like late aircraft, security, weather etc. according to the dataset.

We can see from the visualization that, "Late Aircraft Delays" is the reason behind maximum flight delays

in each month except September month and "Security delays" causes least time delay.

Design

At first glance having so many columns in a single visualization can confuse someone. But there were 12 months and 6 different reasons for every flight to be delayed so the complexity is present and we have to deal with it. To make it easier to analyse, I have created filters. From the right side of the worksheet, one can choose particular month to see its total delay in minutes of each reason by hovering over the visualization.

Resources

N/A

**\*RESULT ARE SUBJECTED TO SURVEY DATA**