

BUILD DATA DASHBOARDS FLIGHT DELAYS AND CANCELLATIONS

This data comes from a Kaggle dataset, it tracks the on-time performance of US domestic flights operated by large air carriers in 2015. You can find the dataset in supporting materials at the bottom of this page.

The file you must use in creating your data visualizations is the flights.csv file. The other two provided files may be used in conjunction with the flights.csv file, but should not be used alone.



What is Count of flights per Airport , count of flights based on Airline and the count of flights per day of week ?

Tableau Link :

https://public.tableau.com/shared/RY68QZBYD?:display_count=n&:origin=viz_share_link

Summary and Design :

-I divided this dashboard on three visualization , Map visualization shows us a Count of flights per States. When we hover over the map we can see important details like state name, Airport name and count of flights , we can observe that CA state has the highest number of flights .

I used bar chart to visualize the count of flights based on Airline , we can observe that Southwest Airlines has the highest number of flights .

-And used bar chart to visualize the count of flights per day of week , we can observe that Saturday has the lowest number of flights (Maybe it's a holiday) .

Header has two buttons can navigate to Cancellation dashboard and Delay dashboard .



compare between cancelled flights and not cancelled flights .
 compare between most common reason for a flight cancellation.
 What is AVG Cancellation for each Airline and AVG Cancellation per month ?

Tableau Link :

https://public.tableau.com/shared/RMGPSK2D4?:display_count=n&:origin=viz_share_link

Summary and Design :

-I divided this dashboard on four visualization , I used bar chart to visualize to compare between cancelled flights and not cancelled flights , and we can observe not cancelled is the highest 270000 not cancelled and 4433 cancelled .

and used bar chart to visualize the AVG Cancellation for each Airline , we can observe that American Eagle Airlines has the highest AVG.

and used bar chart to visualize the AVG Cancellation per month, we can observe February has the highest AVG.

bar chart to compare between most common reason for a flight cancellation , the most common reason is B (Weather).

A - Airline/Carrier

B – Weather

C - National Air System

Header has two button can navigate to OVERVIEW dashboard and More (bar chart to visualize Count of Cancellation Reason for each Airline) Atlantic Southeast Airlines the most common for a flight cancellation is National Air System . /



What is Mean Departure delay , Mean Air System delay , Mean Security delay , Weather delay and Mean Arrival delay) for each Airport and Airline ?

Tableau Link :

https://public.tableau.com/views/Fights_Story/Delay?:language=en-GB&:display_count=n&:origin=viz_share_link

Summary and Design :

-I divided this dashboard on Two visualization , bar char to visualize Mean Departure delay , Mean Air System delay , Mean Security delay , Weather delay and Mean Arrival delay) for each Airport , and we can observe the highest AVG delay in Spirit Air Lines .

bar char to visualize Mean Departure delay , Mean Air System delay , Mean Security delay , Weather delay and Mean Arrival delay) for each Airport, and we can observe the highest AVG delay in Chicago O'Hare International Airport.

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Resources : N/A

