

Data Visualization project Build Dashboard in Tableau.

Flight Delays and Cancellations Dataset Visualization Report.

- Visuals (1) Most Airlines Flights in 2015.

Link:

<https://public.tableau.com/app/profile/abdallah.el.sawy/viz/MostAirlinesFlightsin2015/MostAirlinesFlights>

Summary:

Which are the airlines having the biggest number of flights during 2015? We find that it is WN or Southwest Airlines Co. and the least one is VX or Virgin America.

Design:

I chose the airlines column vis the count for flights to every airline that we have then apply the visualize using horizontal bar chart and sort them to be clearer to see which airline with bigger and lower flights.

Resources:

N/A

- Visuals (2) The Cancellation Reasons.

Link:

https://public.tableau.com/app/profile/abdallah.el.sawy/viz/CancellationReasons_16471022810520/CancellationReasons?publish=yes

Summary:

After we saw the number of cancellations over 2015. Let us see the reasons of those cancellation. If we watched the plot, we see that there are some reasons for the cancellations like A which is Airline Carrier reasons, B which is Weather reasons, C which is National Air System reasons. We find that the worst reason that we have and need immediately plan to deal with it; is Weather reasons with 54.07% of the total cancellations.

Design:

By using pie chart, it will give us a percentage for every cancellation and make every type with different color to be clear.

Resources:

N/A

- Visuals (3) Airlines Cancelled Flights count over 2015

Link:

<https://public.tableau.com/app/profile/abdallah.el.sawy/viz/Cancelledflightsover2015/Cancelledflightsover2015?publish=yes>

Summary:

If we saw the visualization, we find that we able to compere between the number of flights that cancelled over 2015 for every airline. That will give us an indication of the performance of every airline over the time of the year. So, we find the most time that airlines have number of cancelations in February and best time is September.

Design:

I used the line plot to give a chart that describe the cancelled flights over the time.

Resources:

N/A

- Visuals (4) Which airlines have the worst delays?

Link:

https://public.tableau.com/app/profile/abdallah.el.sawy/viz/Whichairlineshavetheworstdelays_16471035579520/Whichairlineshavetheworstdelays?publish=yes

Summary:

Let us come to most important factor that measure the performance of different Airlines. If we checked the visualization, it will give us some indication of which is the best type with less delays over the year and that is the VX or Virgin America Airline. And the worst Airline with biggest total delay over the year is WN Southwest Airlines Co.

Design:

To design a good plot that describes the delays for every Arline Co I used the tree map using the Airline Delay time sum over 2015 with the Airlines names column.

Resources:

N/A

- Dashboard

Link:

<https://public.tableau.com/app/profile/abdallah.el.sawy/viz/FlightDelaysandCancellationsat2015Dashboard/FlightDelaysandCancellationsat2015Dashboard?publish=yes>

Summary:

It is a dashboard describes the Flight Delays and Cancellations over the year 2015 to indicates very useful details about every Airline CO.

Design:

Used the all visualization to build this interactive dashboard.

Resources:

N/A

- Story

Link:

<https://public.tableau.com/app/profile/abdallah.el.sawy/viz/FlightDelaysandCancellationsat2015Story/FlightDelaysandCancellationsat2015Story?publish=yes>

Summary:

It is a Story describes the Flight Delays and Cancellations over the year 2015 to indicates very useful details about every Airline CO.

Design:

Used the all visualization to build a story describes the all visualization and a summary indicates every one of them.

Resources:

N/A