FLIGHT ANALYSIS

Insight 1- Dashboard

https://public.tableau.com/authoring/FLIGHTANALYSIS_17008740242530/Dashboard1#1

- The dashboard contains three different worksheets. First a map showing the various cities that flights were cancelled and also the reason for cancellation. Chicago city have the highest number of cancelled flights with a count of 541.
- Secondly, is a bar chart showing the diverted flights by various airports. This was represented by the origin airport and the count of the diverted flights. ATL (Hartsfield-Jackson Atlanta International Airport) have the highest diverted flight with a count of 18,056 followed by ORD (Chicago O'Hare International Airport) with 14,684 count of diverted flights and third, DFW (Dallas/Fort Worth International Airport) with 12,281 count.
- The third is a line chart showing the monthly trend of delays on arrival and departure. A dual axis was used to show arrival and departure delay side by side differentiated using colours. And it was observed that the highest number of delay was recorded in the sixth month and the lowest was recorded in the ninth month, with arrival delay being negative.

2. Insight 2- Flight delays

https://public.tableau.com/authoring/FLIGHTANALYSIS_17008740242530/FLIGHTDELAYS#1

This was depicted using a stacked bar chart to show the relationship between the origin airports and the various delays such as air system delay, security delay, airline delay, late aircraft delay and weather delay. The various delays were encoded using various colours to differentiate them. Chicago O'Hare International Airport (ORD) recorded the most on all parameters.

3. Daily flight cancellation

https://public.tableau.com/authoring/FLIGHTANALYSIS_17008740242530/MONTHLYFLIGHTCANCELLATION#1

This was depicted using a line chart to show the number of flights that were cancelled on a daily basis. The day that recorded the highest number of flight cancellation is on the 13th day

with a count of 9,420 while the lowest count of cancellation was on the 31st day with a count of 4,776.