

# **Data Visualization Project**

## **Flight Delays and Cancellations**

### **Insight no.1**

**Link:**

[https://public.tableau.com/views/ArrivalDepartureDelaywithAirline/ArrivalDelayDepartureDelaywithAirline?:language=en-US&publish=yes&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/ArrivalDepartureDelaywithAirline/ArrivalDelayDepartureDelaywithAirline?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link)

**Summary:**

In this dashboard we Analyze the average of the arrival delay to the day of the week to determine which day is suite to avoid the delay , in the other visual we correlate the average of the Arrival Delay to the average of the Departure Delay .

All dashboard are filtered by the table contain the Airlines , Average Arrival & Departure Delay.

**Design:**

I have chosen the table visual in the dashboard to list the dimensions as numbers and to act as filter for the other visuals.

I choose a Line chart for the average Arrival Delay for each day and the scatted plots to analyze the correlation between average Arrival Delay and Average of Departure Delay for each Airport .

**Resources:**

N/A

### **Insight no.2**

**Link:**

[https://public.tableau.com/views/DelaysforeachAirline\\_16639388307820/DelaysforeachAirline?:language=en-US&publish=yes&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/DelaysforeachAirline_16639388307820/DelaysforeachAirline?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link)

**Summary:**

This visual insight the Delay time (the difference between Schedule time and the Arrival time) for each Airline .

This indicate that the Southwest airline is the worst company in actual delay by total value 1411598.

The best Airline company is American Eagle by 12405.

**Design:**

I had choose the Bar chart to compare the distinct values with many category (Airline Companies)

**Resources:**

N/A

**Insight no.3**

**Link:**

[https://public.tableau.com/views/FlightsDelayedbyEachTypeofDelayGrouppedbyAirline/DelayCauses?:language=en-US&publish=yes&:display\\_count=n&:origin=viz\\_share\\_link](https://public.tableau.com/views/FlightsDelayedbyEachTypeofDelayGrouppedbyAirline/DelayCauses?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link)

**Summary:**

This visual indicate the Summation of the delay of each factor that affect in the flights time for each Airline company .

**Design:**

I had choose that visual to indicate the all categories [Reasons of delay] for each company

**Resources:**

N/A