

# Data Visualization Project

## Flight delays

This report will show you the insight on dataset of 2015 flight delays.

**The Final Dashboards link:**

[https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays\\_15960699530110/Dashboard1?publish=yes](https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays_15960699530110/Dashboard1?publish=yes)

### **Insight 1: Number of flights delayed per Airline**

**Link:**

[https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays\\_15960699530110/Airline?publish=yes](https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays_15960699530110/Airline?publish=yes)

The Bar graph shows that the Southwest Airline had the highest number of Flight delay which was 608,158 in 2015, American Airlines had the second highest number of Flight delay which was 381,086 and the total of Flight delays in 2015 was 3,061,820. we have selected the Bar graph to visualize this Insight 2 because flight delays are Quantitative data where Airline is categorical data.

### **Insight 2: Number of flights delayed per Month**

**Link:**

[https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays\\_15960699530110/Month?publish=yes](https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays_15960699530110/Month?publish=yes)

The Line graph shows that the sixth month of the year that is June had the highest number of Flight delay which was 384,368 and the ninth month of the year that is September was 170,440 delays which is lowest compare to other months and we have added a filter that allows to know the number of flights delayed per month per airline. We have selected the line graph to visualize this Insight 2 because it is the best graph to show the data over the time.

### **Insight 3: Number of flights delayed per City**

Link:

[https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays\\_15960699530110/City?publish=yes](https://public.tableau.com/profile/bader6415#!/vizhome/FlightDelays_15960699530110/City?publish=yes)

The Map shows that Chicago had the highest number of Flight delay which was 261,337 in 2015, Atlanta had the second highest number of Flight delay which was 165,869. we have chosen the Map to show this Insight 3 because the geographical data can be visualized effectively compare to other graphs.

**Resource: Udacity**