

# **Data Visualization Project**

## **Business Analytics – Udacity**

Data set Chosen: Flight Delays and Cancellations

## Insight 1:

### Which airlines or airports have the worst delays?

From this bar chart, we can see the top 5 airlines and airports of terms of Arrival delays.

It appears that most delays happened with Delta Airlines inc. on the flights to Hartsfield-jackson atlanta international Airport With count of 11,508 Arrival delay in 2015.

Skywest Airlines inc. were the least of the top 5 with count of 204 Arrival delay on the flights to dallas/fort worth international Airport.

I have chosen a bar chart due the long names of the airports and airlines and the bar chart makes it easier to read than the column chart, and I have kept the default blue color in the histogram to be less intense and sensitive to those with colorblindness.

[FlightsProject-Top5ArrivalDelays2 - reem | Tableau Public](#)

## Insight 2:

From this Line Chart we can see the average delays of each month and we can choose a specific airline from filters.

It appears that June has the highest delays average with 23.88 and September has the lowest delays average with only 4.08.

I have chosen a line chart since we have over time comparing with many period , and I have kept the default blue color in the histogram to be less intense and sensitive to those with colorblindness.

[FlightsProject-avgDelays - reem | Tableau Public](#)

## Insight 3:

This dashboard is showing us the top 5 Airline and the sum of the distance that has taking on the flights to each of the top 5 destination airports in 2015.

It appears that the Southwest Airline has the Highest sum distances that has taking on the flights to Chicago city Chicago Midway international airport with 3,224,994.

The Alaska Airlines inc. has the fewest sum distances that has taking on the flights to Gustavus city Gustavus Airport with only 246.

I have chosen a bar chart since we have a many items to compare and the map to show each airport place, and I have kept the default blue color in the histogram to be less intense and sensitive to those with colorblindness.

<https://public.tableau.com/profile/reem6620#!/vizhome/Dashboard-insight2-flightsproject/Dashboard1>