

## PROJECT : BUILD DATA DASHBOARDS

To build my data dashboard I have used **Flight Delays and Cancellations** datasets.

Below are the descriptions of the visualizations:-

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

- Link to dashboard-  
[https://public.tableau.com/profile/romana.akter#!/vizhome/Build\\_Data\\_Dashboard/s/DelaysinAirlinesAirports?publish=yes](https://public.tableau.com/profile/romana.akter#!/vizhome/Build_Data_Dashboard/s/DelaysinAirlinesAirports?publish=yes)
- Summary- The Bubble chart for Airlines clearly shows Southwest Airlines Co. is leading the chart in both arrival and departure delays followed by United Airlines Inc. with second most departure delays and Atlantic Southeast Airlines with second most arrival delays.  
The Bubble chart for Airports shows that Chicago O'Hare International Airport is Clearly ahead of the rest of the airports in terms of both arrival and departure delays.
- Design- I choose to visualize the delays with a bubble chart because it is pretty difficult to map the delays. I tried other visual formats but extracting information from those is not so easy and sometimes it is difficult.

### What causes delays?

- Link to worksheet-  
[https://public.tableau.com/profile/romana.akter#!/vizhome/Build\\_Data\\_Dashboard/s/DelayCauses?publish=yes](https://public.tableau.com/profile/romana.akter#!/vizhome/Build_Data_Dashboard/s/DelayCauses?publish=yes)
- Summary- The Bar chart representing the delays shows that departure delays and arrival delays are the two most dominating delays. On the contrary, delays due to security reasons are the lowest.  
From the chart we can also conclude that most of the delays happened in the month of June and Chicago O'Hare International Airport is leading the chart.
- Design- I choose a Bar chart to represent the delay causes as they are the categorical variables.

## Which State has the most cancelled flight in a week?

- Link to worksheet-  
[https://public.tableau.com/profile/romana.akter#!/vizhome/Build\\_Data\\_Dashboards/CancellationsMap?publish=yes](https://public.tableau.com/profile/romana.akter#!/vizhome/Build_Data_Dashboards/CancellationsMap?publish=yes)
- Summary- The cancellation map shows that TX state has the most cancelled flight followed by IL and CA state in a week.
- Design- I decided to create a map as it is the best way to display the number of cancellations in every state.