**Analysis of Flight Delay Data**

Link to Story: <https://public.tableau.com/shared/4C24Q5YBG?:display_count=n&:origin=viz_share_link>

Summary/Insight: My visualization is based on the statement, “***Highlight Airports and Airlines that were affected by the delay factors in 2015***.

Southwest Airlines (WN) is affected mostly by all the factors of delay except the one Late Aircraft Delay. The reason must be that it has the maximum number of flights. Delta airline inc. (DL) is the most affected by all the factor

The most affected airport because of weather delays was MOT airport at Minot (ND) on arrival and Chicago (IL) 'MQT' at the departure airport. Air system delays affect the departure airport in Des Moines (IA) mostly. Airports in Alaska and California are crowded airports that became the reason for security delays. late aircraft also reason for delays at most of the arrival airports.

Insight #1  
Link: <https://public.tableau.com/shared/9H27HBKRH?:display_count=n&:origin=viz_share_link>

Summary/Insight: The first Dashboard **(Airlines in the USA)** shows the number of flights operated by different airlines and their path all over the USA. Path holds information about distance, the airport acronym, and the number of flights.

Design: Design I use is a bar Chart and Map. Map to show interactive path between airports using lines.

Resources: N/A

Insight #2  
Link: <https://public.tableau.com/views/Flight_delay_analysis/Averragedelayonarrivalanddeparture?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link>

Summary/Insight: The second Dashboard has the visualization of **Arrival delay and departure delays at corresponding airports**.

Design: I use a Bar chart to show arrival delays and departure delays in minutes filtered by airlines.

Resources: N/A

Insight #3  
Link: <https://public.tableau.com/views/Flight_delay_analysis/delayeffectonairportandairlines?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link>

Summary/Insight: The final dashboard highlights the **affected airports and airlines because of delay factors.**

Design: I use Map to show affected arrival and departure airports. Bar chart to show affected airlines filtered by delay factors.

Resources: N/A