

Data Visualization Project (Build Data Dashboards)

Flight Cancellations and Delays

Insight 1. Cancellation Reasons & Months

Link: [Cancellation Reasons & Months | Tableau Public](#)

- The bar chart shows that weather conditions was the most frequently reason for flight cancellation.
- Line chart shows that February has highest number of flight cancellations (1058) followed by January (605) then March (533). It appears that winter months has more flight cancellations than other months which can confirm that weather conditions is the main reason for cancellation.
- I've used line chart to visualize cancellation per month as it works best to view trend of data over time while used bar chart for cancellation reasons to show the number flights cancelled for every reason.

Insight 2. Cancellation by Airline

Link: [Cancellation Airline | Tableau Public](#)

- This bar chart shows the number of flight cancellations for every airline. As shown Southwest Airlines Co. has highest number of cancellations followed by Atlantic Southeast Airlines.
- I used color tool tip to show the number of flights cancelled by different cancellation reasons for every airline
- I've used color blind color palette to make sure visualization is clear for anyone.

Insight 3. Average Arrival, Departure, and Airline Delays by Airline

Link: [Average Delays by Airline | Tableau Public](#)

- This scatter plot shows airline with highest arrival and delay displays
- I've used size tool tip to show airline delay for every airline.
- As we can see Spirit Air Lines was the worst in terms of delays while Alaska Airlines Inc. and Hawaiian Airlines Inc. were the best.
- I've used color blind color palette to make sure visualization is clear for anyone.