

### **Insight I: Number of flights cancelled per Airport**

Link:

[https://public.tableau.com/app/profile/aymanwally/viz/FlightCancellationbyAirport\\_16507803431430/FlightCancellationbyAirport?publish=yes](https://public.tableau.com/app/profile/aymanwally/viz/FlightCancellationbyAirport_16507803431430/FlightCancellationbyAirport?publish=yes)

From the visualization we notice that the Chicago O'Hare International Airport had the highest number of Flight Cancellation, which was 454, Dallas/Fort Worth Airport had the second highest count of cancellations which was 342.

Design: I have chosen Bar graph suitable for Categorical data against Quantitative data

Resource: Udacity Content

References: N/A

### **Insight II: Cancellation Number by State**

Link:

[https://public.tableau.com/app/profile/aymanwally/viz/FlightCancellationbyState\\_16508136130920/FlightCancellationbyState?publish=yes](https://public.tableau.com/app/profile/aymanwally/viz/FlightCancellationbyState_16508136130920/FlightCancellationbyState?publish=yes)

This map show that Texas and Illinois states has the highest number of flight cancellations of 668 and 563 numbers respectively. The lowest amount of flight delayed number is 0 at Delaware state then Montana, and West Virginia states with 3 flights cancellation in 2015

**Design** I have chosen Map to visualize this Insight III, because the geographical data like Country, State, City can be visualized effectively than other graphs

Resource: Udacity Content

References: N/A

### **Insight III: Cancellation Number over 2015**

Link:

<https://public.tableau.com/app/profile/aymanwally/viz/FlightCancellationover2015/FlightCancellationover2015?publish=yes>

This line graph shows that February had the highest number of flights cancelled and September is the lowest one over 2015.

**Design** have chose line graph to visualize this Insight IV, because this works best to view trend of data over the time.

**Resource: Udacity Content**

**References: N/A**

### **Full dashboard**

Link:

<https://public.tableau.com/app/profile/aymanwally/viz/dashboardFlightCancellationinusa/Dashboard1?publish=yes>