

# Data Visualization Project

## Flight Delays and Cancellation

### Insight 1: Which airports have the worst delays?

**Link:**

[https://public.tableau.com/app/profile/mohamed.gad5075/viz/ArrivalDepartureDelay\\_16446839144010/Sheet3](https://public.tableau.com/app/profile/mohamed.gad5075/viz/ArrivalDepartureDelay_16446839144010/Sheet3)

**Summary:**

To know the airports with worst delays I made a side-by-side bar to know the average

Arrival and departure delay. From the vis we know that sawyer international airport has the worst delay than other airports

**Design:**

i used the side-by-side bar because this graph is suitable to comparing more than 2 variables

and I used to different colors that don't affect the color blindness

**Resources:** N/A

### Insight 1: cancelation Reasons

**Link:**

[https://public.tableau.com/app/profile/mohamed.gad5075/viz/CancellationReasons\\_16446851264790/Sheet4](https://public.tableau.com/app/profile/mohamed.gad5075/viz/CancellationReasons_16446851264790/Sheet4)

**Summary:**

Form the bar we know that the weather causes the highest cancellation in the WN airline

While in the EV airline the national air system is the main problem

**Design:**

I have chosen the stacked bar as it's the best choice when we have many categories in a single bar

And we want to compare between them. I tried to avoid the sequence of colors that affect color blindness

**Resources:** N/A

## Insight 1: Cancellation in each state and airport

**Link:**

[https://public.tableau.com/authoring/CancellationDashboard\\_16446905144880/Dashboard1#1](https://public.tableau.com/authoring/CancellationDashboard_16446905144880/Dashboard1#1)

**Summary:**

We can know from the map that Texas has the most cancellations count of flight

Followed by Illinois.

From the line chart we can know that the highest number of cancellations occurred on February.

**Design:**

The line chart is the best choice keeping track of 1 variable over time

i have chosen the map because it's good for geographical data like

Country, State, City

**Resources:** N/A