

## **Project: Build Data Dashboards (Flight Delays and Cancellations)**

### **Insight 1:**

**<https://public.tableau.com/app/profile/zoalfkar.elhossin/viz/cancellationsperstate/Dashboard1?publish=yes>**

This dashboard examines the states with the highest number of cancellations. The states with the most cancellations are Texas, Illinois, and California, followed by New York and Florida. The month with the most cancelled flights is February, while the month with the fewest cancelled flights is September. The months of December, February, March, and June have the highest flight cancellations.

I chose a bar chart graphing the cancellations over the months, color coded with the cancellation reasons.

Resources: N/A

### **Insight 2:**

**<https://public.tableau.com/app/profile/zoalfkar.elhossin/viz/DestinationAirport-Delays/Sheet2?publish=yes>**

This bar chart illustrates the Arrival delay for each Destination Airport. The destinations that have the most delays are ORD with (98,900), DFW with (63,052), LAX with (57,835), while those with the fewest delays are PIH, EKO, ACK. They are all filtered by Day of Week.

I used the bar chart with the same bins color to avoid the contradictions and to be easy for color blind to see and not using colors like red and others.

Resources: N/A

### **Insight 3:**

**<https://public.tableau.com/app/profile/zoalfkar.elhossin/viz/Whatscausedelays2/Story1?publish=yes>**

This small story tries to catch what causes delays. First it looks like a relationship between the distance and the delays with one point at first (positive relation), then marks with Airport and found that in some airports the flight travel short distance and take large delay, so maybe it is dependent on the airport. Second, the difference of the time of the year causes different arrival delays.

I used the scatter plot, because it is the best to find the relation between two variables

Resources: N/A