

# **Cancellation Of Flights**

## **Viz 1 : Cancelation by States Dashboard**

### **Link :**

<https://public.tableau.com/app/profile/muhannad3102/viz/CancelationbyStatesDashboard/Dashboard1>

### **Summary :**

In this dashboard, I display flight cancellation data for each state, so that the most cancellations were in the state of Texas with about 668, followed by the state of Illinois, in which the cancellation was about 563, and We note that the month in which the state of Texas recorded the most cancellation was in February about 152.

### **Design :**

In this charts, I used the map in gradient color and bar chart in one color to represent cancellations by state, and by clicking on the map or bar chart shown information about each state will show the number (cancellations and state name) and I also added filters to filter states or months (cancellations by months).

### **Resources:**

<https://www.tableau.com/blog/examining-data-viz-rules-dont-use-red-green-together>

## **Viz 2 : Reason for the cancellation of flights by airlines Dashboard**

### **Link:**

<https://public.tableau.com/app/profile/muhannad3102/viz/ReasonfortheCancellationofFlightsbyAirlinesDashboard/Dashboard4>

### **Summary :**

Here I present a visualization of data about Reason for the cancellation of flights by airlines, So that as it appears, the most reason for cancellation is the weather "B", and the highest airline that canceled because the weather is American Eagle Airlines Inc about 448, and the highest airline canceled because the Airline/Carrier "A" is Southwest Airlines Co about 309, and the highest airline canceled because the National Air System "C" is Atlantic Southeast Airlines about 335.

### **Design:**

In these charts, I used a Bubble and bar chart a three-color to represent the cancellation reasons by airlines, Orange (Airline/Carrier), light gray (National Air System) and dark gray (Weather), Clicking on the map or bar chart displayed will show information about airlines and the number of reasons for cancellations. I also added filters to filter the names of airlines.

### **Resources:**

<https://www.datylon.com/blog/data-visualization-for-colorblind-readers#how-to-make-them-color-blind-friendly>

### **Viz 3 : Sum & Average Cancellation for each month**

#### **Link :**

<https://public.tableau.com/app/profile/muhannad3102/viz/SUMAVGCancelledforeachmonth/Dashboard5>

#### **Summary :**

Here I present a visualization of data about the average flight cancellations VS the Sum of cancellations for each month of the year, so that it appears that the month of February witnessed the most cancellations with an average of 0.0472237 and a Sum of 1058, and it decreased and increased until it reached the lowest limit in September with an average of 0.00452 and a Sum of 108 cancellations.

#### **Design:**

In these chart I used line chart, the blue color for represent the average line time of cancellations and the color orange to represent the sum line time of cancellations, and with clicking on the blue line or orange line will help to show information about cancellations for each month, and I also added a filter by months.

#### **Resources:**

N/A