

# Flight-Delays

## Dashboard:

### Link:

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/Dashboard2?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/Dashboard2?publish=yes)

**Summary:** This dashboard contains 8 worksheets I will explain it below

**Design Comment:** Using friendly color helps our dashboard to appear. Also add another level of professionalism. I try to use friendly color to elicit specific emotions from viewers.

**Resources:** N/A

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## Insight 1:

### Link :

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/No\\_of\\_flights?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/No_of_flights?publish=yes)

**Summary:** Want to know how many flights in our database (274964 flights)

**Resources:** N/A

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## Insight 2:

### Link :

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/Noofcancelled?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/Noofcancelled?publish=yes)

**Summary:** We want to know how many flights cancelled (4433 flights without any filtering)

**Resources:** N/A

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## Insight 3:

### Link:

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/No\\_of\\_flightspermonth?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/No_of_flightspermonth?publish=yes)

**Summary:** The number of flights per month as we shown I display the min (22040 in Feb) and max (26810 in Jul) on the graph

**Design Comment:** I used area chart to show relationships between different aspects in a data set (no of flights and months).

**Resources:** N/A

## Insight 4 :

**Link :**

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/AirlineCancelled?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/AirlineCancelled?publish=yes)

**Summary:** Display the top airlines that is cancelled its flights (Southwest Airlines Co has 818 cancellation–Spirit Air Airlines has 102)

**Design Comment:** I used **bar chart** to compare between a categorical variable and a numerical variable. It is given me instant insight into the data pictorially. I choose friendly color to display every airline with different color.

**Resources :** N/A

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## Insight 5 :

**Link :**

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/StateCancelled?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/StateCancelled?publish=yes)

**Summary :** On this map we will find cancellation by State and with dark red the most state cancellation (Texas with 661 cancellation)

**Design Comment:** choosing map is a good idea to display which airport canceled and in which state is. Also, I choose gradient color the highest state with orange color and gradient to blue for lowest. It is a friendly color.

**Resources:** N/A

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## Insight 6 :

**Link:**

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/AirportCancelled?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/AirportCancelled?publish=yes)

**Summary:** Display the top airports that is cancelled its flights (Chicago O'Hare int Airport o has 405 cancellation – LA int Airport has 108)

**Design Comment:** I used **bar chart** to compare between a categorical variable and a numerical variable. It is given me instant insight into the data pictorially. I choose friendly color to display every airline with different color.

**Resources :** N/A

## Insight 7 :

**Link :**

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/CancellationData?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/CancellationData?publish=yes)

**Summary:** Display cancellation data flight like (Flight No. and the reasons)

**Design Comment:** I tried to use table of data to display some information about flights reason cancelation

**Resources:** N/A

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## Insight 8:

**Link:**

[https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights\\_2\\_16492948961150/CancellationReason?publish=yes](https://public.tableau.com/app/profile/mostafa.mahmoud.bakry/viz/flights_2_16492948961150/CancellationReason?publish=yes)

**Summary:** Display cancellation reasons on pie chart

**Design Comment:** We use pie chart to represent category wise of cancellation reasons to compare of its percentages. choose friendly color to display every reason with different color.

**Resources:** N/A

**Note** : The resolution of my dashboard is 1000 \* 800