

## Insight 1: Cancellation Reason

[https://public.tableau.com/app/profile/sara2545/viz/CancellationReasons\\_16453401344000/CancellationReasons?publish=yes](https://public.tableau.com/app/profile/sara2545/viz/CancellationReasons_16453401344000/CancellationReasons?publish=yes)

According to this graph, weather is the main reason for cancellation.

I chose pie chart to visualize the ratio of each reason.

I applied month to filter to see if there is a difference for each month. For example if i put the filter by July, the Airline/Carrier seems to be the most cancellation reason.

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## Insight 2: Top five airports with the highest number of flights cancellation

<https://public.tableau.com/app/profile/sara2545/viz/Mostcancellationsairport/Mostcancellationsairport?publish=yes>

Chicago O'Hare International Airport has 454 flights cancelation, after that comes Dallas/Fort Worth International Airport with 222 flight.

I chose bubbles chart for visualization, then I put airports in filters and edited it to show only the top five airports depend on the number of canceled flights, after that I added month to filters.

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## Insight 3: Most cancellations by airline and its reason

[https://public.tableau.com/app/profile/sara2545/viz/AirlinesCancellationReason\\_16453393731800/AirlinesCancellationReason?publish=yes](https://public.tableau.com/app/profile/sara2545/viz/AirlinesCancellationReason_16453393731800/AirlinesCancellationReason?publish=yes)

Southwest airlines Co. have the highest cancellations number, and its cancellation reason was because of the weather.

Hawaiian airlines Inc. looks like the best airline with the lowest cancellations number, and its cancellation reason was because of the Airline/Carrier.

I chose different colors for each cancellation reason and its shades are appropriate for color vision deficiency.

## **Insight 4: Flight cancellations by state**

<https://public.tableau.com/app/profile/sara2545/viz/MostCancellationsStateDashboard/MostCancellationsStateDashboard?publish=yes>

This dashboard shows the number of flights cancellation by state represented in a map and bar chart.

Texas has the most cancellations 668, after that Illinois has 563 cancellations.

I added day of the week to filters to see the number of cancellations at different days. For example, if we filter by Sunday we can see that Illinois has 162 cancellations, then by Texas with 140 cancellations.

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## **Resources:**

<https://www.youtube.com/watch?v=9xqHA732LMA&feature=youtu.be>