

Flight Cancellation and Airline Delay

Story

https://public.tableau.com/views/FlightDelaysandCancellations_16438164027940/FlightDelaysandCancellations?:language=en-US&:display_count=n&:origin=viz_share_link

The story explores the following insights:

Insight 1

This bar chart displays the airline delay of airlines in the United States. The airline with the highest delay is Southwest Airlines Co. (WN) with a total delay of 3.045 hours, and the airline with the least delay is Virgin America (VX) with a delay of 126 hours.

Bar chart was chosen because of the ease of display and explaining the insight.

Insight 2

This scatter plot shows the Arrival and Departure delay by month. The month of June experiences the highest arrival and departure delay while the month of September is the lowest in arrival and departure delay.

Insight 3

From this map we can see that most cancellations happen in the state of Texas (668 Cancellations) and the state of Illinois (563 Cancellations) and the states with the least cancellations are West Virginia and Montana (3 Cancellations) and 4 states with 0 cancellations (Virgin Islands, Guam, Delaware, and American Samoa).

The bar chart shows the number of cancelled flights for each airline. Southwest Airlines Co. (WN) has the most cancelled flights (818 Cancellations) and Hawaiian Airlines Inc. (HA) has the lowest cancellations (8 Cancellations).

This Pie chart shows the flight cancellation reasons. The most prominent reason for cancellation is the Weather (2,397 Cancellations) and the least reason for cancellation is National Air System (776 Cancellations).

Pie chart was chosen because of the few categories of cancellation reasons which makes it easy to spot the highest reason of cancellation and the lowest.