

Insight1

https://public.tableau.com/profile/david.disu#!/vizhome/Diverted_Flights/Sheet1

Summary:

From this chart, we can see that Southwest Airlines Co. (181) and Atlantic Southeast Airlines (99), have the highest number of diverted flights. Virgin America has the fewest number of flight diversions with only 1.

Design:

I used Box-and-Whisker plot to display the number of diverted flights because it is easy to interpret and brings out the shape of the distribution. The color used is colorblind-friendly and uniform to avoid distractions to the viewer.

Insight2

https://public.tableau.com/profile/david.disu#!/vizhome/Average_Scheduled_Time/Sheet1

Summary:

From this chart, we see the average scheduled time of flights in airports. Guam International Airport has more scheduled time for flights than any other airport.

Design:

I chose to color the circles of my chart a single color (blue) because having a mixture of colors will distract the viewer from the main purpose of the chart, which is the average scheduled time of flights in airports.

Insight3

https://public.tableau.com/profile/david.disu#!/vizhome/Weather_Delays/Dashboard1

Summary:

From dashboard, the first visualization shows where the most weather delays in minutes occur. It appears that most weather delays happen in Texas with a total of 27,758 mins.

The second visualization shows where the most flight cancellations occur.

Texas also has the most flight cancellations (661). The number of flight cancellations can be filter by days of the week, to get a more detailed information. For example, on monday Texas had 179 flight cancellations.

Design:

For the first visualization, i used a map for it because the dataset involves States in USA (locations), which is easier to interpret with a map. I used color shades of blue to indicate the sum total of weather delays of flight from greatest to smallest.

For the second visualization, i used a horizontal bar chart, because it is used to show comparisons between categories of data, which in our case is the States in USA. I used a single color (blue), because a mixture of colors can be a distraction to the viewer.

References: N/A