Insight 1

https://public.tableau.com/profile/tamunotonye.harry#!/vizhome/FlightCancellationbyAirport_0/Sheet3

From this bar chart, we can easily see which airport most cancellation happened in the space of one year. Hartsfield-Jackson Atlanta International airport has cancelled 18,056 which makes it top on the list followed by Chicago O'Hare International Airport 14,684 and Dallas/Fort Worth International airport at 12,281. Least ranking is Martha's Vineyard Airport at 2 cancellation all in the space of 12 months.

The blue color was chosen for simplicity and to avoid confusing the viewer

Insight 2

https://public.tableau.com/profile/tamunotonye.harry#!/vizhome/CancelledFlightbyStateperMonthin2015/Sheet3

From the map, we can locate states in the United States of America with the highest and lowest number of flight cancellations and we can see that Texas has the highest count of flight cancellations with the least Delaware (DE) at 4. You can investigate more by using the filter of 'Months' which is between 1 – 12.

The change of color density is to differentiate the highest ranked to the lowest and also to accommodate people color blindness.

Insight 3

https://public.tableau.com/profile/tamunotonye.harry#!/vizhome/CancelledandDivertedFlightsandMajorCausesofDelayperMonthin2015/Dashboard1

This Dashboard tells the viewers the number of cancelled and diverted flights and the number of major delays like air system, weather and security delay which might result to a flight being diverted or cancelled for safety.

Delta airlines had a higher number of delays due to air system and weather delay at the end of a period of 12 month but had less cases of flights being cancelled or diverted when compared to Southwest Airlines that had more flights cancelled and diverted. With a filter for months within 1 – 12, you can investigate these changes over a period of 1 years (12 months)

Choice of color was made to make it simple and communicate clearly without distractions.

Unique sheets used to make the dashboard:

https://public.tableau.com/profile/tamunotonye.harry#!/vizhome/CancelledandDivertedFlightsbyAirlineperMonthin2015/Sheet2

Has a filter of month (1 – 12).

https://public.tableau.com/profile/tamunotonye.harry#!/vizhome/SumofMajorDelaysbyAirlineperMonthin2015/Sheet1

Has a filter of month (1 – 12).