Flight Delays and Cancellations

Insight 1

https://public.tableau.com/shared/8T2T8ZKXB?:display_count=n&:origin=viz_share_link

From this map, we display count cancellations to states. We can see where most of the cancellations happen. It happened in California (33,331) and Texas (32,612). In the south, cancellations happen more than in the north.
The color is calm but its tones are visible

Insight 2

https://public.tableau.com/views/FlightCancelationByStatesMap/causes_delays?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

From the bar chart, we display the count and time of cancellations for states. We note that there is a difference between the duration and the number of cancellations. It happened in Texas (time 46,347,723 with count 668) and Illinois (time 26,916,576 with count 563). Its clear time is low in Illinois in comparison to Texas.

When using the day of the week filter we found: -

On Saturday, most cancellations happen in Illinois and then Texas.

On Sunday, most cancellations happen in Texas and then California.

On Monday, most cancellations happen in Texas and then Illinois.

On Tuesday, most cancellations happen in Texas and then California.

On Wednesday, most cancellations happen in Texas and then California.

On Thursday, most cancellations happen in Texas and then Illinois.

This clear day of the week is not affected.

We used one color so as not to get distracted by the meaning.

Insight 4

We made the dashboard using the last two sheets of paper to show the data homogeneously. When clicking on high state time in the "Count and Time of Cancellations Chart" we found (that Texas has a time of 46,347,723, California has a time of 49,278,566, Florida has a time of 31,421,346, and Georgia has a time of 26,348,079) all these states located in the south.

Using the same color.

Insight 4

When we made the relation between CANCELLATIONS and {Air Time, Wheels On, Wheels Off, Weather Delay, Taxi in, Security Delay, Taxi in, Security Delay, Scheduled time, F1, Elapsed Time, Diverted, Distance, Departure Time, Departure Delay, Air System Delay, Airline Delay, Arrival Delay, Arrival Time} we fund the relation is strong and positive.

We only use one color to focus on the relationship.

Resources:

https://help.tableau.com/current/pro/desktop/en-us/formatting_specific_titlecaption.htm

https://www.tableau.com/learn/whitepapers/which-chart-or-graph-is-right-for-you