Insight 1

Link: -

https://public.tableau.com/app/profile/ammar.ehab/viz/CancellationDelayDashboardPerAirLine/CancellationDelayDashboardPerAirLine?publish=yes

Summary: -

On this visualization (Cancellation & Delay Dashboard Per Airline), we used: -

1) Scatter Plot to indicate the time delay & the cancellation number for each airline.

2) Tree map to indicate the number of flights and its percent for each airline.

We conclude that Southwest Airlines has the largest number of cancellation (818) and Hawaiian Airlines has the fewest (8).

Design: -

We used only blue in the tree map to only focus on the findings and do not have any distractions. And more colors in the scatter plot to distinguish each airline easily.

Resources: -

https://www.youtube.com/watch?v=9xqHA732LMA

Insight 2

Link: -

https://public.tableau.com/app/profile/ammar.ehab/viz/CancellationDelayDashboardPerAirLine/CancellationDashboardPerState?publish=yes

Summary: -

Our first visualization is the Cancellation Dashboard, it consists of two sheets (Cancellation Map & Cancellation Bar). We applied a filter (Month Filter) for both sheets to investigate the number of cancellations per month.

 We conclude that California has the highest number of cancellations (33,331) in 2015 and West Virginia has the fewest (103). Moreover, by applying the month filter we could not see any significant change within the states.

Design: -

In the design, we used blue color and its gradations in the map to indicate the different numbers of cancellation per state. However, we used only blue in the bars to only focus on the findings and do not have any distractions.

Resources: - N/A

Insight 3

Link: -

https://public.tableau.com/app/profile/ammar.ehab/viz/CancellationDelayDashboardPerAirLine/CancellationReasonsPieChart?publish=yes

Summary: -

From the third visualization (Cancellation Reason Pie Chart), we used aliases (Meta Data from Udacity). We calculated the percent for each reason.

We conclude that weather was the common reason for cancellation. Moreover, in 2015 there was no cancellation due to security which is an important area of interest.

Design: -

In the design, we used color blind mode in the pie chart to indicate the different types of reasons.

Resources: - N/A