DASHBOARD 1

Link:
https://public.tableau.com/app/profile/david3236/viz/Dashboard1forBAND/Dashboard1?publish=yes

Summary: I wanted to know the main reason for cancellations and also visualize the average arrival delays so I decided using a map would be the best fit for this. This dashboard shows the airline delays and a map of the average arrival delays. We can see that the cause for most cancellations especially in the first three months is weather. I also wanted to know the airlines with the most airline delays so to easily visualize this, I used tree maps.

Design: Horizontal bar charts is used as it is easier to view labels, I kept styling to a minimum and was consistent with my color use. I used the orange color palette as it would be easy for anyone to view, especially viewers who are colorblind.

Resources: N/A

STORY 2

Link: https://public.tableau.com/app/profile/david3236/viz/Workbook2forBAND/Story1?publish=yes

Summary: I wanted to compare arrival and departure delay (in minutes) by days of the week and also by months, the least arrival delays occurred on Saturdays and the most occurred on Mondays while for departures, the least delays occurred on Saturdays as well and the most on Mondays. June recorded the most arrival and departure delays.

Design: I used Horizontal bar chart to visualize the comparison of the arrival and departure for delay by days of the week and I kept the styling to a minimum, I used line graph to visualize the one for months and it is the go-to viz tool when comparing trends over time. For the map, using the size tool, I ensured the destination airports with the most delays stood out by using the size tool, I made the background of the map dark as it is easier on the eyes.

Resources: N/A

DASHBOARD 3

Link:
https://public.tableau.com/app/profile/david3236/viz/Dashboard3BAND/Dashboard1?publish=yes

Summary: This dashboard contains 3 visualizations, one for the most used airlines, one for the main reasons for cancellation and a map that shows the top destination airports. We can easily see weather is the reason for most cancellations and the national air system is the least. I wanted to know the most used and the least used airlines as well, Southwest Airlines turned out to be the most used while Virgin America turned out to be the least used.

Design: I used packed bubbles to show the top airlines as it is hassle free and anyone viewing the data would easily understand, I used tree maps to visualize the cancellation reasons. Styling was kept minimum and not overboard for both these visualizations. The map has a dark background and the color tone was tweaked to ensure unproblematic viewing.

Resources: N/A.