Insight #1

Link:
https://public.tableau.com/app/profile/emma.hungrige/viz/AVGSecurityDelay_flights_csv_Hungrige/ArrivalandDepartureDelaysbyAirline?publish=yes

Summary

For this dashboard we can see that Spirit Airlines (NK) has the highest average minutes of arrival and departure delays (about 17.37 mins. & 15.73 mins. respectively). On the other hand, Hawaiian Airlines (HA) had the lowest average minutes of departure delays (0.17 mins. approx.) and Alaska Airlines (AS) had the lowest average minutes of arrival delays (-0.49 mins. approx.).

Design

I decided to go with a horizontal bar chart for departure delays as it made the data easier to read and draws your eye to the highest bars quickly. I chose a purple theme because it was easy on the eyes and works for color blind people.

I also chose to do a combined line and bar chart for arrival delays and weather delays to see if there was a correlation between them. The purple theme was chosen for the same reason as the departure delays as well.

Resources

N/A

Insight #2

Link:
https://public.tableau.com/app/profile/emma.hungrige/viz/AVGSecurityDelay_flights_csv_Hungrige/AVGSecurityDelaysbyAirline?publish=yes

Summary

For this table we can see that Alaska Airlines (AS) has the highest average amount of time delay in their security department (approx. 0.34 mins.) and Hawaiian Airlines (HA) follows in a close second at approx. 0.29 mins.

Design

I chose to do a tree map for this table as its design makes the data easy to read and you can quickly tell who the worst offenders are for security delays. The purple theme was chosen for the same reasons that were explained with the first insight.

Resources

N/A

Insight #3

Summary

For this table we can see that Southwest Airlines (WN) has the highest minutes of average late airline days at 27.13 mins. JetBlue (B6) comes in at a close second with 25.57 mins. It does appear that one of the main causes of late aircraft delays for each airport is issues with the air system – Hawaiian Airlines the exception as their average air system delays is the lowest at 0.53 minutes and Southwest Airlines (WN) the second lowest at 7.01 mins.

Design

I chose to do a side-by-side bar chart to compare the data. The comparisons are easily able to be made with this type of chart. I chose the purple theme for the same reasons that are stated with the first insight.

Resources

N/A