

INSIGHT

1. Link to dashboard

https://public.tableau.com/views/UdacityProject_16555532885350/Dashboard2?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Summary

The dashboard gives an overview of which flight airways with their number of delays caused by their various origin flights. It shows the number of times the causes had made impact to flight delays.

It was observed that delays were majorly caused by late Aircraft and Airline delays based on the data given.

The dashboard has two filters used in interacting with the chart. The filters are “Months” and “Airport”.

Design

The bar chart was used majorly in the dashboard to show the visually the frequency of causes and the number of times the flight was delayed. Colour Blue, Grey and White was used taking into consideration of those that are colour blind.

2. Link to Visual

https://public.tableau.com/views/UdacityVisualsSecurityDelays/SecurityDelays?:language=en-GB&:display_count=n&:origin=viz_share_link

Summary

The chart shows the Security delays across the states. Florida ranks the highest in terms of the number of security delays, followed by California.

Design

The Map visual was used because it best visualizes the frequencies of security delays as it affects the flights geographically. The colour gradient Blue and Green was used taking colour blindness into consideration and not to be too sharp.

3. Link to Visual

https://public.tableau.com/views/UdacityVisualsDelaysOvertime/Delaysovertime?:language=en-GB&:display_count=n&:origin=viz_share_link

Summary

The chart shows the comparison among Airline delays, Arrival delays and Departure delays from January to December. Some of the insights found in the chart are as follows:

- From the chart, it appears that the highest delays among the three was found in the month of June.
- Airline delays was found lesser than the others.
- The delays appear to be proportional to among them, meaning the delays shows approximately the same progression.

Design

The line chart was used to compare the delays through time period as it progresses from January to December. The colours Blue, Red and Green was used to clearly differentiate between the three lines indicating Airline delays, Arrival delays and Departure delays.