Tableau Flight Delays dashboards

Dashboard 1 Link :

https://public.tableau.com/views/GeneralDashboard_16606198263340/GeneralInfo?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Insights :

This is a general info dashboard where we found interesting facts, as shown in the data the most frequent destination for the flights **was California with 33,310 flights** followed by **Texas with 32,612 flights**, **June** marked the highest number of diverted flights with **112 flights** while **July** had the highest number of flights with **26,810 flights**.the most frequent time spent on air in flights was **120 minutes** .and Southwest airlines is the most used airline with **59,437** flights followed by Delta airlines with **41,516.**

Description :

I used the heat map to represent the geographical data best, Histogram came in handy in describing the one dimensional data I used , Line Charts are used when describing data over time, while the bar chart described the categorical data in the simplest yet clearest way

Resources : N/A

Story 2:

https://public.tableau.com/views/InvistigatingDelaysStory/Story1?:language=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Insights :

This story focused on investigating the delays, as shown on the first chart **June** marked the most delays average per flight with **43.91** with multiple increases on **February and December** However, the next plot showed an interesting **positive relation** between distance and delays as the longer the distance the higher the delayed minutes on flights. which makes us wonder are truly the airlines with the longest distances covered are the one with the most delayed minutes ? and the answer was mostly **yes**, as the following plot showed that the airline with the most

distance covered (**Southwest Airlines**) is the one with the most delays .

but this doesn't represent the quality of the airline as the more used and traveled the more the probability for delays to occur, so the last chart shows the airlines with the highest avg of delays for each flight , which was **Spirit airlines with 57.5 delayed mins per flight** followed by **frontier airlines** which delays an avg **of 50.61 mins** per flight.

Description :

The line chart again is used to describe data over time however I used the calculated value Avg delay per flight in order to make it more robust , the scatter plot is used to find the relation between distance and delays , with the following plot describing the number of flight shown in size of circles , air lines separated by colors. And finally a bar chart with the calculated value which facilitated extracting such a valuable info .

Resources : N/A

Dashboard 3 link :

https://public.tableau.com/views/CanceledFlightsDashboard_16606195312290/Dashboard2?:la nguage=en-US&publish=yes&:display_count=n&:origin=viz_share_link

Insights :

Investigating the canceled flights data showed that **Texas** was the state with the highest number of canceled flights with **668 flights** , followed by **IL** with **563**. While **February** marked the most canceled flights with **1,058 flight**s , **Southwest airlines** is the airline with the most canceled flights with **818** followed by **Atlantic southeast** with **800** canceled flights.

Description :

as mentioned above the map for geographical data , bar for categorical , and line describes data with time best .

Resources : N/A