Project 4:-Telling Stories with Data

Data Used / Flight delays

Insight 1:

https://public.tableau.com/app/profile/mikhael.nemr/viz/AVGMaxandtotaldelaysofeachAirline/Sheet3?publish=yes

With this insight, we can identify the primary drivers to flight delays, and which one is the most dominating, as we see that late aircraft delays are the most common reason for flight delays. With this understanding, we can develop strategies to solve those contributors.

Design choice: I chose a horizontal bar chart since we are dealing with categorical data, and it is easy to understand. The horizontal bar chart's layout is such that our eyes hit the category names before the actual data. This means that we already know what the data represents by the time we get to it. I used the same color to not make distraction on reader focus

Ref: Story telling with data by Wiley

Insight 2:

https://public.tableau.com/app/profile/mikhael.nemr/viz/AVGMaxandtotaldelaysofeachAirline/Sheet2?publish=yes

With this understanding, we could take a more in-depth look at the most delayed airlines, since looking at the sum alone could be deceiving, but looking at the average and the Max, we could determine that Nk Airlines is the most delayed among other airlines.

Design choice: I choose the Stacked horizontal bar chart since we are dealing with categorical data and it gives all the feel of the conventional HZ bar charts while also allowing for simple comparison of the leftmost and rightmost elements. I used the same color to not make distraction on reader focus

Ref: Story telling with data by Wiley

Insight 3:

https://public.tableau.com/app/profile/mikhael.nemr/viz/AVGMaxandtotaldelaysofeachAirline/Sheet1?publish=yes

that aims to identify the average arrival delay for several flight itineraries based on the trip from the origin airport and the arrival airports. I insist to make this insight as sort of practice using new skills in tableau.

Design choice: Because the map representation corresponds to the locations of origin and destination airports, readers can easily analyze data points for each route, and the point size illustrates the average amount per delay per route. The generated map will allow readers to choose between airports with the fewest delays.

Ref: Design Choice YouTube Channel

Dashboard:

https://public.tableau.com/app/profile/mikhael.nemr/viz/AVGMaxandtotaldelaysofeachAirline/Dashboard1?publish=yes