Data Visualization Project

➢ Project Dataset: Flight Delays and Cancellations

This data comes from a Kaggle dataset, it tracks the on-time performance of US domestic flights operated by large air carriers in 2015.

Which airlines or airports have the worst delays?

Links: https://public.tableau.com/authoring/Projectdatavisualization/Airlinedelay#1

https://public.tableau.com/authoring/Projectdatavisualization/Airportdelay#1

https://public.tableau.com/authoring/Projectdatavisualization/Airportairlinedelay#1

https://public.tableau.com/authoring/Projectdatavisualization/airlinedelay2#1

Summary: From this pie chart, we can see where the most Airline Delays occur. It appears that worst Airline Delays happen in Southwest Airlines (648,419 minutes of departure delay) and total delay occur in airport and I found Chicago O'Hare International Airport is the worst totally (161,133 minutes of departure delay).

Designs: The line and bar chart is perfect to show the most Airline Delays with color and avoid blind color friends

Resource: N/A

What causes delays?

Links: https://public.tableau.com/authoring/project_16731212977060/Sheet2#1

Summary : From this chart, the weather is the most causes delay then Airline/Carrier and National Air System,

Designs: The packed bubble chart is perfect to show the most causes delay with beautiful color and avoid colorblind-friendly colors.

Resource: N/A

The most cancelled by state and countries

Links: https://public.tableau.com/authoring/project_16731212977060/Sheet1#1

https://public.tableau.com/authoring/Projectdatavisualization/CancelledState#1

Summary : From this bar chart, we can see the most cancelled state is (USA /state TX) it has 668 total minutes of cancellation, I also add City as a filter, I used aggregate Sum (cancelled) to show that.

Designs: the bar chart is the clearest chart to show the state which has most cancelled, with beautiful color and avoid colorblind-friendly colors ,also used map chart

Resource: N/A