USA Flight Delays and Cancellations

Link to the Visualization: https://public.tableau.com/app/profile/fatema.hyderabadwala/viz/Airlines-Fatema/USDelaysandcancellations?publish=yes

Insight: Delays at departure Airport and Destination/arrival Airport:

Link: https://public.tableau.com/app/profile/fatema.hyderabadwala/viz/Airlines-Fatema/Cancellations?publish=yes

Insight: Looking at the visualization I see that there are many reasons for these delays .If you hover over each bin you would be able to see the reasons. In GUM airport the maximum reason of departure delays are happening because of airline delay .

While in the destination/arrival delay it is MQT airport for weather delays.

Majority of the airports didn't have any delay for security reasons .

Special attention to PHF airport the flight arrived 11-12 mins earlier .

Design : I used a bar chart to visualize this data because we could see clearly the categorical data versus numerical data. I can easily compare between airports .

Resources: N/A

Insight: During the which day of the week are maximum delays and reasons:

Link: https://public.tableau.com/app/profile/fatema.hyderabadwala/viz/Airlines-Fatema/DailyDelays?publish=yes

Insight: Daily delays is something which should be looked into and the reasons . I have graphed the airline delays . You could easily see that WN , AA, DL, EV, UA, OO have the highest delays during the week . It could also be that they have more planes flying thus more delays .

Design: Using a line chart because it clearly allow you to compare the data between airline, day of the week and number of delays.

Resources: N/A

Cancellations

Insight: How many cancellations happen during each month and the reasons?

**Link:
https://public.tableau.com/app/profile/fatema.hyderabadwala/viz/Airlines-
Fatema/Cancellations?publish=yes**

 Insight:I chose this part because after studying the delays of the airline , I wanted to learn about the cancellations. Some airlines are having many cancellations for various reasons .

If you hover over each airlines you would learn avg cancelled flights and the graph next to it will inform you about the reason . The reasons are divided into 4 categories . The closer I look I found the security is the least reason for a cancellation . I have also provided a cancellation reason filter on your right . The highest number comes from MQ airline and the major reason is because of weather condition in the month of February . February is also the coldest month for USA thus explains the reasons.

Design: I have used a circle chart for airline cancellation because it shows us the size of each airline cancellation .

Bar chart for the cancellation reasons versus the months of the year because it allows me to compare .

Resources: N/A