Data Visualization Project

Flight Delays and Cancellations

Question 1: Which airline had the most cancellations?

Insight: The airline with the most cancelations is Southwest Airlines with 818 cancellations. Not far behind is Atlantic Southeast Airlines with 800. The airline with the least cancellations is Hawaii Airlines with 8.

Chart Type: Treemaps chart answer the question of most cancellations in size and shade; the larger box with darker blue indicates that the airline has more cancellations. Horizontal Bar chart is also included displaying the airline with the most delays on average.

Link: https://public.tableau.com/app/profile/lt.lucas/viz/Dashboard-VisualizationProject/Dashboard1?publish=yes

Additional Resources: N/A

Question 2: On average, what caused the most delays?

Insight: Most airline delays are caused by late aircraft delay, closely followed by air system delay.

Chart Type: Stacked Bars answer the question by showing the color difference for each cause of delay for each airline.

Link: https://public.tableau.com/app/profile/lt.lucas/viz/Worksheet1-VisualizationProject/AVGCauseforDelay?publish=yes

Additional Resources: N/A

Question 3: Which day of the week had the most flights?

Insight: The first day of the week had the most flights (41,016) for all combined airlines. The sixth day of the week had the lowest (33,039).

Chart Type: Line Chart displayed the number of flights on each day of the week. A filter is included to view each individual airline's count for flights by the day of the week.

Link: https://public.tableau.com/app/profile/lt.lucas/viz/Worksheet2-VisualizationProject/Sheet2?publish=yes

Additional Resources: N/A