Exercise: Basic Charts

This Tableau file contains information on all U.S. airline flights from 2010 and 2011. Create a Tableau worksheet to answer each of the following questions:

**FILE to use: Flights\_data.twbx**

**Summary:**

From [Airline delay dataset](https://github.com/YBI-Foundation/Dataset/blob/main/Airline%20Delay.csv), I found flight transaction has significant decrease from 2019 to 2020. However, this impact had been limited based on the Airport’s strategic positioning. Also I found Jet Blue has frequent delayed flight across the US Airlines, especially at Dallas Airport. Hence we should reconsider if you plan to use JetBlue when you visit Dallas.

1. **Arrival Flight by Year**

Total arrival flight in December at US Airport has decreased from 2019 to 2020 significantly.

**A screenshot of a graph

AI-generated content may be incorrect.**

1. **Airport arrival flight breakdown**

From this dataset, we could see Atlanta, Dallas, Chicago, Denver and Charlotte have more arrival flight as top 5. Then year vs year comparison shows Chicago has decreased to 46% in 2020, However Denver airport still have 86% of flight in 2020. Because of Covid pandemic, Chicago may lost their international flight arrival rather than Denver which strategically positioned as domestic hub.

**A screenshot of a graph

AI-generated content may be incorrect.A graph of a bar chart

AI-generated content may be incorrect.**

1. Frequent Delayed Airline

The nature of flight industry, the more flight, the more delay. From this chart, Delta Airline has more flights and delayed flights. As an average, almost 29% of flight has less than 15 mins delay. However, this chart indicated JetBlue has significantly higher delay percentage across the airlines.

A graph with many blue squares

AI-generated content may be incorrect.

1. Frequently Delayed Airline deep-dive

By segregating Airline to JetBlue, we found its average delay rate is 46% across the US airport in 2019 and 2020. Especially, 68% of its flight delays at Dallas Airport. This indicates JetBlue doesn’t have enough presence in Dallas.

A blue and white striped pattern

AI-generated content may be incorrect.