Data Visualization

Introduction

An attempt has been made to create an explanatory visualization from a **Flight-Delays Dataset** that communicates the findings about the relationship or patterns in the provided data. Tableau framework has been used to create visualization and find new insights about tracking the on-time performance of US domestic flights operated by large air carriers in 2015.

Links

Dashboard 1: Arrival Delay
Dashboard 2: **When and Where Most Delays?**
Dashboard 3: **Reasons Delay**

Design

Dashboard 1: Because I needed to plot the "States" geographic data, I used a map. As a result, I decided that a map would be the best visual way for this. For the states, I used sequential blue and orange. The darker the blue, the longer the flight delay; On the contrary, the darker the orange, the less delay time for the flight. This type of coloring makes it easier to identify cases that have a high/low cancellation rate.
I also used tape conversations with her to view more details about each country, state, and airport.

Dashboard 2: Because I wanted to know in which state there is a delay in arrival and departure, I created a heat map, and it is clear that there are three states that are the most delayed, and they are AS, DE, and VT.
There is also a line chart that shows the most months in which delays occur through some of the reasons that lead to flight delays, such as Air system, Security, Late Aircraft, Weather

Dashboard 3: I chose a bar chart to plot categorical data because it will allow us to see and compare differences in values or amounts of our categorical data. The highest reason for the cancelation was the weather.

Summary

From dashboard 1 we can notice that the airport with the largest avg departure delay is DE, while the smallest is MN.

Resources

[N/A]