Dashboard 1:

Link: *Number of flights during the year of 2015*

Summary: This dashboard represents Number of flights during the year of **2015**, where F1 in the vertical axis represents the **number of flights** and the horizontal axis represents the date.

we can notice from the line chart that:

- there were some **downs** in the number of flights in the following dates:

  (April 26, 2015 |Jun 7, 2015 |July 26, 2015 | September 6, 2015)

- The **6th** day of the week "Friday" had the **lowest** number of flights.

Design: I chose to use a **line chart** because it helps noticing trends more easily when visualizing data based on a time series.

I also chose to let the first chart track the whole year's performance so we can easily notice trends, then we can farther investigate per day or per month from the other two charts listed below, furthermore we can filter to a specific date range.

Dashboard 2:

Link: average departure delay per country

summary: this dashboard displays the distribution of **departure delays** in **US**. you can filter on each state to take a closer look on the delay amount for each airport in the state you've chosen.

we can notice:

- **Largest** state in avg departure delay is **AK**, while the **smallest** is **EKO**

Design: I used a **Map** because I had to plot **geographical data** --- "States". So, I thought a Map would be the best visual for this purpose. I used a sequential blue color for the states and orange. The **darker** the **blue** color, the **more** the number of flight cancellations, on the other hand the **darker** the **orange** color the **less** the number of flight cancellations. This type of coloring makes it easier to spot which states have high/low cancellations.

I also chose **bar** chats with it to make it easier to view more details regarding each **country**, **state** and **airport**.

Dashboard 3:

Link: cancelation

summary: this dashboard shows the distribution of **cancelation** through the year of **2015**, we can filter to any month of the year and notice the attached reasons for this cancellation.

we can notice:

- There was a large amount of flight cancelation in **February 1, 2015.**
- The **lowest** reason for cancelation was the **National Air System.**

design: I chose the **line chart** for the first insight because line charts are always the best choice to track **trends** in data visualized based on a time series. And for the second insight I chose to plot categorical data using bar chart, it'll help us see and compare differences in values or amounts of our categorical data.