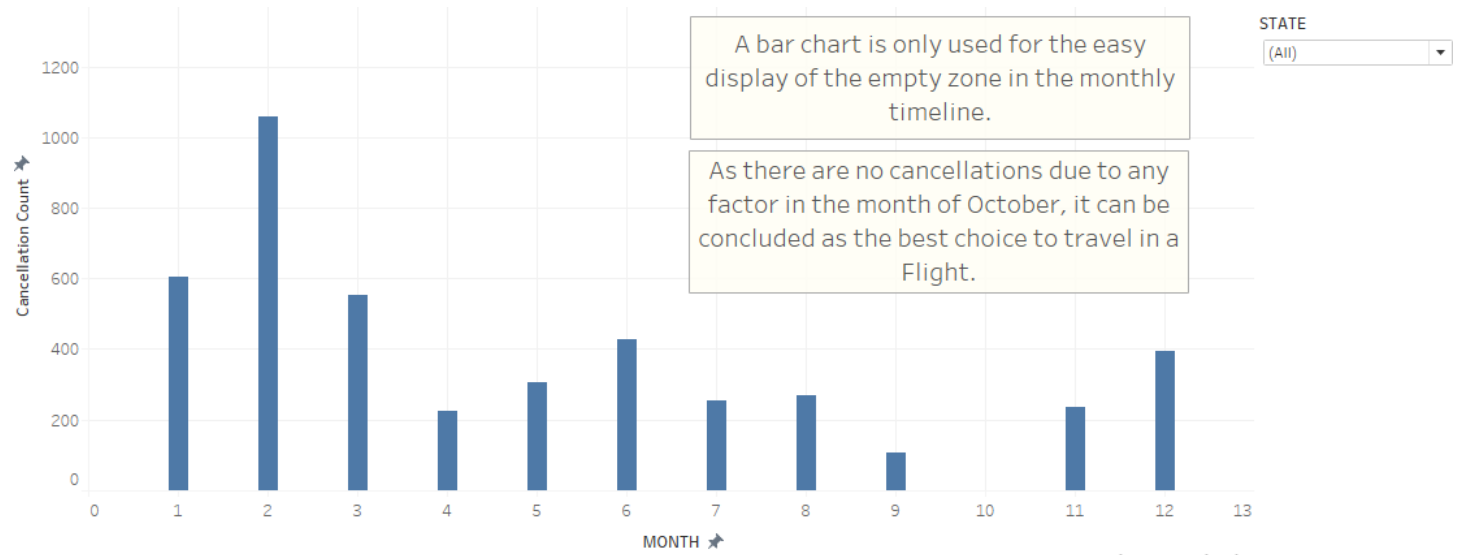


## Project-4 Build Data Dashboard Using Tableau Desktop

### Data set -Flight Delay

The data set has taken for kaggle data set. It gives the details of the real-time performance of domestic flights of the United States of America by large air carriers in 2015. The base file is 'flights.csv' which is used to create data visualization. Other two files are used to conjugate with 'flights.csv' file.

**Insight-1** What is the best month to travel in the flight?

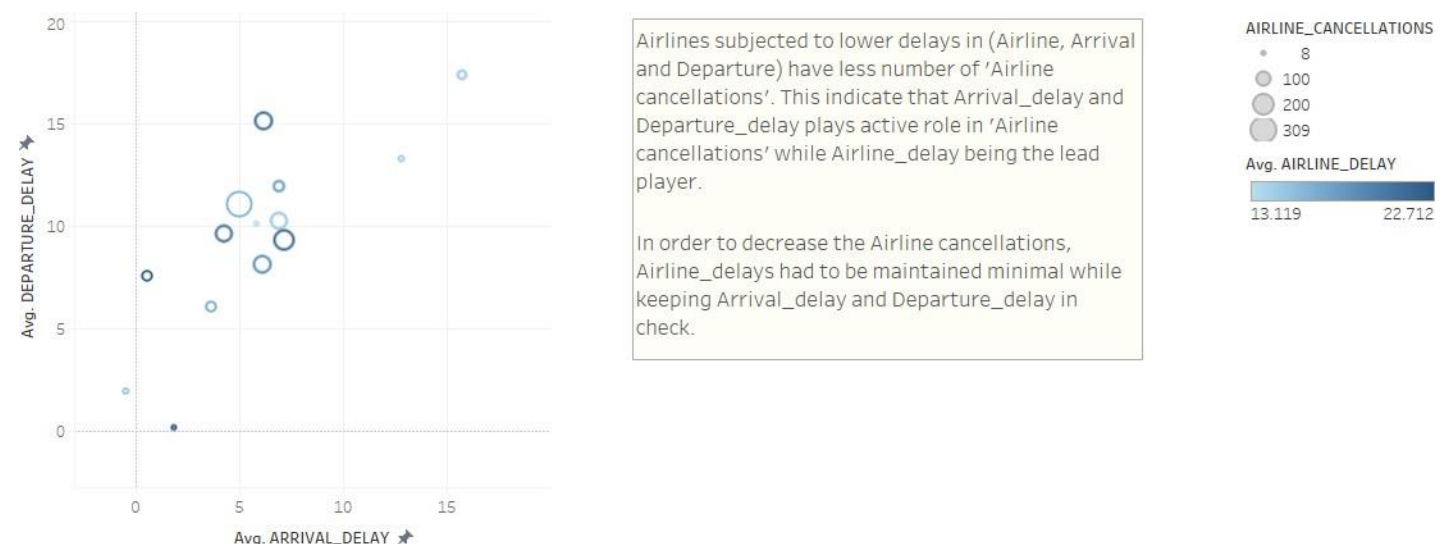


One of the most prominent roles for flight cancellation is the Weather. This is easily visualized in the Tableau dashboard using a bar chart. The above bar chart shows the monthly cancellation of flight for every month. The weather looks absolutely stable in October month which caused no cancellation. Therefore, October is the best month to travelling through flights.

**Link-** [https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-1-best-month-to-travel-in-flight\\_15877249504310/Story1](https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-1-best-month-to-travel-in-flight_15877249504310/Story1)

**Insight-2** How to tackle the flight cancellations?

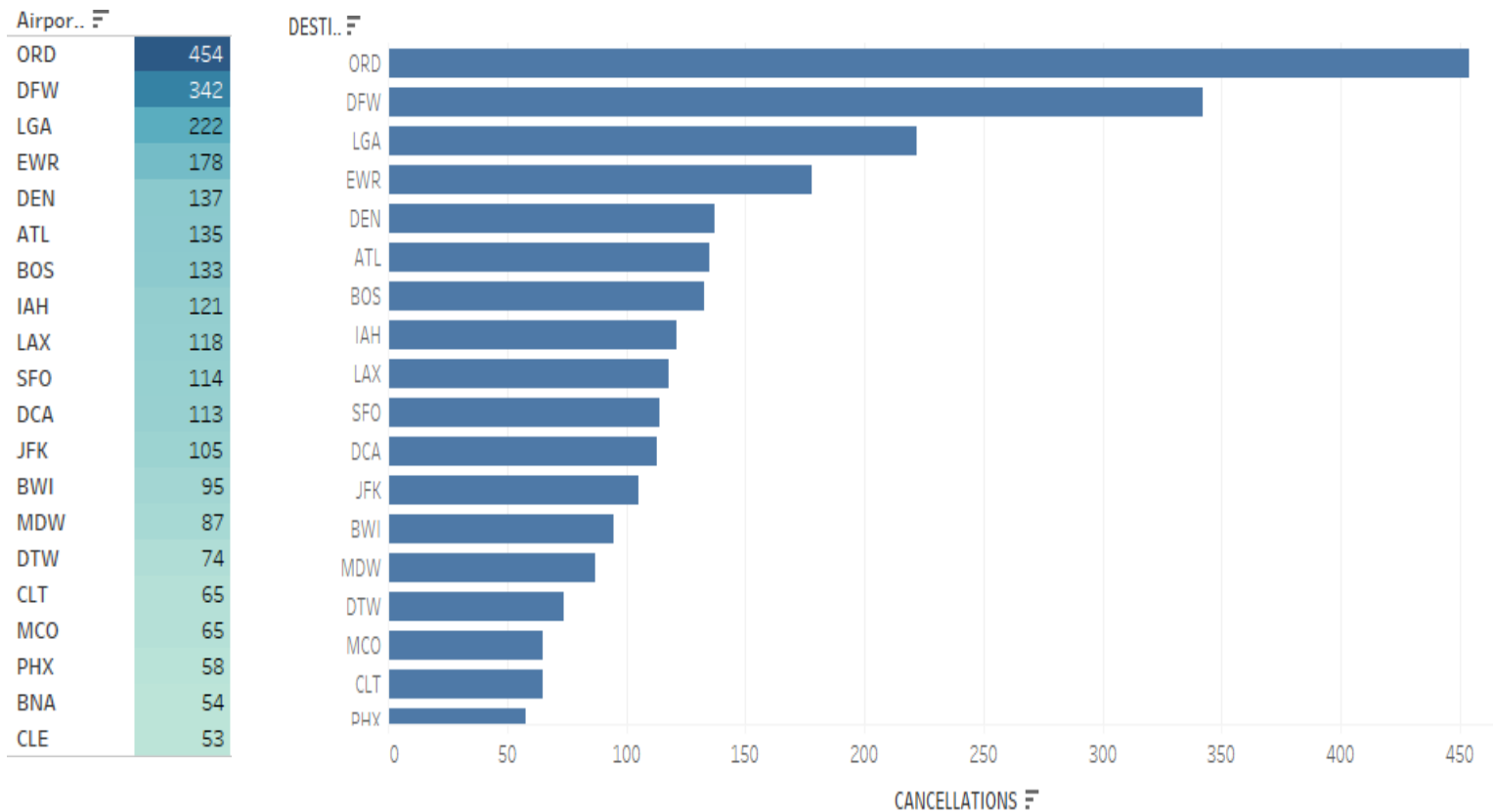
The weather cannot be controlled, thus it is not taken under consideration. The total flight cancellations of insight 1 summation of individual flight cancellation, so we can say that it is a direct correlation among them. The major focus to understand the decrease the airline cancellations.



The main effect of airline cancellations can be analyzed by arrival delays and departure delays. The above scatter plots gives the visualisation of arrival delays and departure delays with leverages sizes and colour marks. To keep minimum airline cancellations, the airline delays have to maintain minimum by keeping arrival delays and departure delays in check.

**Link-** [https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-2-how-to-tackle-the-flight-cancellations\\_15877253083690/Story1](https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-2-how-to-tackle-the-flight-cancellations_15877253083690/Story1)

**Insight-3** Which are the bad airports to avoid flight cancellations?



The above Text Table and Bar Chart show that Airports with more than 50 flight cancellations have been categorized into a data set. This set contains more than 50% of cancellations. These respective airports have a bad track record of cancellations and it is advised to optimise them. Instead of visual charts, priority is given to display the list of airports for easy sharing and print out.

**Link-** [https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-3-bad-airports-to-avoid\\_15877255560550/Story1](https://public.tableau.com/profile/rohit.prasad5475#!/vizhome/Insight-3-bad-airports-to-avoid_15877255560550/Story1)