

Links:

First Visualization:

<https://public.tableau.com/profile/jyoti.kumari6779#!/vizhome/Udacity-FlightDataExploration-2/Story12?publish=yes>

Final visualization:

<https://public.tableau.com/profile/jyoti.kumari6779#!/vizhome/Udacity-FlightDataExploration-2/Story12>

Summary

I have used the data set provide by udacity in project page for United State flight delays and performance comes from RITA. I have Downloaded the Data set for year 2008.

In this Visualization I Focused more on the delay pattern , Cancellation pattern of flights and Diversion Pattern of the flight. I have created geo location plot to understand which airport has maximum cancellation and Diversion.

Design

This Tableau story is a collection of various charts inspecting the relationship between number of flights, average delay, type of delay, time of day, and airline.

In the 1st chart, I have shown the Airport having more arrivals and departure in terms size. Then I plotted the no. of flight throughout the month just to see

is there is any increase in number of flight in particular month because of festival.

Then In 2nd Chart, I plotted for cancellation Code(A = carrier, B = weather, C = NAS, D = security) in this plot I wanted to explore, what is the majority of reason for cancellation of flight. In my observation I found weather is the top most reason for cancellation of flight followed by carrier.

In 3rd Chart I plotted the same cancellation code with respect to Origin. Just to understand which airport has maximum cancellation and what is the reason for majority of time and we observe that ORD airport has max cancelation of 15,050 flights and weather was one of the major reasons for cancellation.

In 4th Chart we explore the delay variable present in data with respect to month and various delay factors.

And in Final chart I have shown the diversion of flight count trend with respect to month and we observe that majority of diversion flight occurs in June and December.

Feed Back:

"its better to show Diversion plot also in geo location plot as it will give more info regarding the airport which has maximum diversion". As I Have plotted only a line Graph for showing diversion with respect to month.

Resource:

- 1.Udacity Tutorial.
2. Tableau online .