

Project 4:-Telling Stories with Data

Dataset Used::-Flight Delays and Cancellations

Insight 1

<https://public.tableau.com/profile/ankush.kumar.singh#!/vizhome/DashboardofFlightCancellations/Sheet1>

From this map, we can see that most cancellations occur in the following state : California (33,331) and Texas (32,612).

The state with fewest cancellations was West Virginia with only 103. For this i clicked on the dark blue region and saw the highlighted value under cancellation for Texas(TX) and California(CA) and compared values to reach the minimum until West Virginia.

Insight 2

<https://public.tableau.com/profile/ankush.kumar.singh#!/vizhome/DFNDFLightCancellationsDashboard/Dashboard1?publish=yes>

In this dashboard we can see the flight cancellations by state as a map and also a bar chart. Filter Day of the week is applied to both worksheets and data can be seen changing when day of the week is modified. Country and sum of cancelled flight are included in the tooltip.

In this chart i choose to color the different states's flight cancellations bar with blue as it used for comparative analysis of flight cancellations. Doing something like red,yellow and green would be distracting the viewer from important things which is just the count of cancelled flights.Suitable for colorblind person to analyse this dataset.

Insight 3

<https://public.tableau.com/profile/ankush.kumar.singh#!/vizhome/DFNDFlightCancellationsbyMonthin2015/Sheet4?publish=yes>

From this line plot, we can see that in 2015, February is the month with the most cancellations (1,058) followed by January (605).

Insight 4

<https://public.tableau.com/profile/ankush.kumar.singh#!/vizhome/FlightDelayTableauProject-DFNDND/CancellationbyAirlines>

Question Asked:- What are the most common cancellations occurred by Airlines?

Answer- From this column chart, after sorting the data we can see that Southwest Airlines Inc. has the maximum (818) cancellations occurred among all other airlines, closely followed by Atlantic Southeast Airlines with 800 cancellations by number.

Hawaiian Airlines Inc. had the fewest number of cancellations with total count only 8.

For this visualisation, I used a proper color palette taking into consideration of colorblindness people.