Udacity project 4 Building Dashboard

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Build Data Dashboard

Answering Questions

Q1 - Which State had most Flights Cancelled?

Q2 - Relation between Departure delays & Flights Cancelled for all airlines?

Q3 - Cancellation Rate Over months for all Airlines & Comparing Delay causes which affects Most?
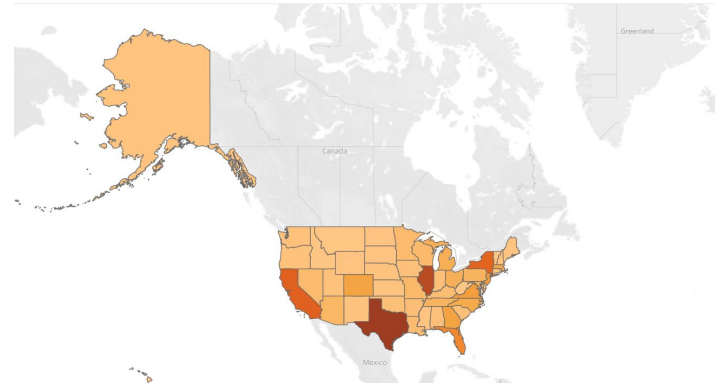
Insight 1

Link -

Summary - Here we a heat-map showing Cancelled Flights rate of all States. By this we found out that **Texas had Highest amount of flights being Cancelled.** After that Illinois & California & so on.

Design - For design i choose heatmap & Selected State For Map & Cancelled for Shade , Colours used here are friendly for color Blind people.

Resource - Airlines.csv , Flights.csv , airports.csv (provided by Udacity)
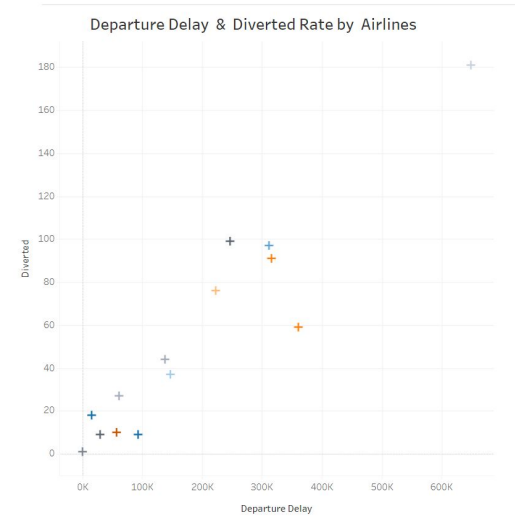
Insight 2

Link -

Summary - From Scatterplot we can see have a **positive correlation B/w Departure delay & Flights Cancelled**

As departure delay increases there is great chance of flights being Cancelled

Design - Here to show relation b/w two variable we have used scatterplot & coloring of Legend (airlines) all colours are Color Blind Friendly also changed shape of marker as i found it more visual appealing & clear

Resource - Airlines.csv , Flights.csv , airports.csv (provided by Udacity)

Departure Delay & Diverted Rate by Airlines

Insight 3 - Dashboard

Link -

Summary - Her we have Dashboard on which we have combined 2 insights
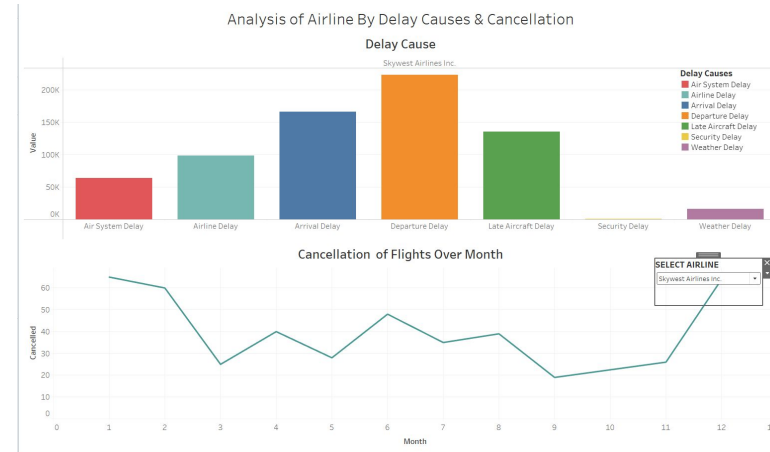
On line chart it will display Cancellation over Months & bar chart will show delay causes we found out **most cancellation happens on month 2** for almost every airline

& **delay cause which occurs most of the time is Departure Delay**

Design - Colors Used In Filter & Legend & bars are compatible with Color Blind People.

Resource - Airlines.csv , Flights.csv ,Airports.csv

(Provided By Udacity)

Analysis of Airline By Delay Causes & Cancellation

Links

There are 3 insights

Insight 1 - Heatmap - (contains only 1 sheet)

https://public.tableau.com/app/profile/vinayak.saini/viz/Insight1_16578921128230/Insight1

Insight 2 - ScatterPlot (contains only 1 sheet)

https://public.tableau.com/app/profile/vinayak.saini/viz/Insight2_16578920737870/Insight2

Insight 3 - Dashboard (contains 1 Dashboard & 2 Sheets named Dash sheet 1 & DashSheet 2)

(Dash sheet 1 Link) - Dash Sheet 1 | Tableau Public

(Dash Sheet 2 Link) - Dash Sheet 2 | Tableau Public