

Project3: Build Data Dashboards

Data set Used: Flight Delays and Cancellations.

Insight 1:

<https://public.tableau.com/app/profile/hany.samy/viz/Project3Insight1V1/DepartureDelaybyAirline?publish=yes>

In this dashboard we can see the total Departure Delay and the Average Departure Delay by Airline as a bar chart and also sum of cancelled Flights are included in the tooltip, filter by State is applied.

From this dashboard we can find a Departure Delay of average 17.37 Min. for "Spirit Air Lines" and 15.12 Min. for "United Air Lines Inc.", and a minimum average of 0.17 Min. for "Hawaiian Airlines Inc."

Insight 2:

<https://public.tableau.com/app/profile/hany.samy/viz/Project3Insight2V1/DepartureDelayandCanceledflightsduring2015?publish=yes>

From this line chart we can find that most of the cancellations happened in February, then January, while most of the departure delay happened in June, then December.

Insight 3:

<https://public.tableau.com/app/profile/hany.samy/viz/Project3Insight3V1/DepartureDelaybyStateDashboard?publish=yes>

In this dashboard we can see the Average Departure Delay by state as a map and also a bar chart, sum of Departure Delay are included in the tooltip.

From this Dashboard we can see where the most Departure Delay occur. It appears that the most Average Departure Delay happen in AS (50.5Min.) and Delaware (34.83Min.). While Hawaii had the fewest Average Departure Delay with only 3.17Min.

Also, we can find through the map that California has the most cancellations as 33,331 then Texas as 32,612 while AS had the fewest number of cancellations with only 2.

Design:

In this chart I choose to color the different state's Average Departure Delay bar with blue as it used for comparative analysis of Departure Delay. The viewer would be distracted from the important information about the departure delay if red, yellow, and green were used. blue color is suitable for colorblind person to analyses this dataset.