

## PROJECT : BUILD DATA DASHBOARDS

### **Insight 1 : Which airports faced the highest Average delay among Chicago midway , Indianapolis , John F.Kennedy , San francisco and Yellowstone regional Airports?**

To calculate the average arrival delay by flight number , airlines in specific airports like Chicago Midway International airport , Indianapolis International airport, John F.Kennedy International airport , San francisco International airport ,Yellowstone regional airport a set is created on Arrival time. A map, bar chart and Bubble chart are used for this analysis.

Looking at the dashboard it is clear that San Francisco International Airport has the highest average arrival delay of 69.73 due to B6 airlines . To calculate this Filters are applied for Month , state , airport , set\_arrivaltime.

When analyzing on states it is clear that New york(NY) ranks the first in Average arrival delay by states, California (CA) in the second place . John F.Kennedy International airport is situated in New york. Filters are applied on Month(Airline delay) , airport , airline.

Based on flight number , John F.Kennedy International airport has faced highest average arrival delay in the month of March by Flight number 2152.

[https://public.tableau.com/profile/thiru3313#!/vizhome/Project3\\_304/ArrivaldelayinchicagomidwayIndianapolisJohn-fkennedysanfranciscoYellowstoneairports?publish=yes](https://public.tableau.com/profile/thiru3313#!/vizhome/Project3_304/ArrivaldelayinchicagomidwayIndianapolisJohn-fkennedysanfranciscoYellowstoneairports?publish=yes)

### **Insight 2 : Does the Airline with Worst departure delay faces worst arrival delay ?**

Filtering the origin airport to only John F.Kennedy International airport(JFK) , an attempt is made to enquiry , Does the Airline with worst departure delay faces worst arrival delay?

Looking at the story it is clear that the worst Average arrival delay is caused by MQ airline , the destination airport is CVG(Cincinnati Kentucky International airport). Filters are applied on Origin airport and airlines.

When analyzing based on the worst departure delay , AS airlines has caused the highest average departure delay in John F.Kennedy airport. It can be concluded that there is no relationship between Worst departure delay and Worst arrival delay.

[https://public.tableau.com/profile/thiru3313#!/vizhome/Project3\\_304/JFKairport?publish=yes](https://public.tableau.com/profile/thiru3313#!/vizhome/Project3_304/JFKairport?publish=yes)

### **Insight 3 : What is the arrival delays faced by flight number:5?**

Looking at the dashboard it is clear that the worst arrival delay faced by flight number: 5 is in HNL(**Honolulu International Airport**) in the month of February.The lowest arrival delay is during the month of November . Destination airport and Flight numbers are filtered to achieve this analysis. Flight number: 5 is only taken for analysis in a random manner .

Line chart is used for analysis. This line chart is used to easily visualize the delays based on month.

[https://public.tableau.com/profile/thiru3313#!/vizhome/Project3\\_304/Arrivaldelayfacedbyflightnumber5?publish=yes](https://public.tableau.com/profile/thiru3313#!/vizhome/Project3_304/Arrivaldelayfacedbyflightnumber5?publish=yes)

**Resources : N/A**