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**Tableau Project**

*Udacity*

DATA FOUNDATIONS NANODEGREE

# Which are the slowest and fastest airlines?

## Link:

[https://public.tableau.com/views/Udacity1\\_1\\_0/Dashboard1?:embed=y&:display\\_count=yes&publish=yes](https://public.tableau.com/views/Udacity1_1_0/Dashboard1?:embed=y&:display_count=yes&publish=yes)

## Summary:

The **slowest** airline is Hawaiian Airlines (**HA**), while the **fastest** one is United Airlines (**UA**).

## Data and Design:

Since speed is not explicitly provided, we use the distance and air time of the airlines to find out the speed (average values). Since airline name is a categorical data type, we use a bar chart, with chart junk minimized and high data-ink ratio.

# Where does most cancellations occur?

## Link:

[https://public.tableau.com/views/Udacity1\\_2\\_0/Dashboard1?:embed=y&:display\\_count=yes&publish=yes](https://public.tableau.com/views/Udacity1_2_0/Dashboard1?:embed=y&:display_count=yes&publish=yes)

## Summary:

The highest number of cancellations occur at the **Chicago O'Hare International Airport** in Chicago, Illinois (IL). In the aforesaid airport, the airline **American Eagles** contributes the **maximum** number of cancellations.

## Data and Design:

We have mapped the locations of airports city-wise and then used sizes to show number of cancellations. We took the specific case of the airport mentioned and delved deeper.

# When do the highest and lowest air traffic occur?

## Link:

[https://public.tableau.com/views/Udacity1\\_3\\_0/Dashboard1?:embed=y&:display\\_count=yes&publish=yes](https://public.tableau.com/views/Udacity1_3_0/Dashboard1?:embed=y&:display_count=yes&publish=yes)

## Summary:

Month 2, i.e. **February** pulls in the **lowest** number of flights, while **July** or Month 7 pulls in the **highest**, with **August** coming in at a close second highest. **Southwest Airlines** has consistently been handling the **maximum** number of flights all throughout the year, compared to the others.

## Data and Design:

We have used line charts to show relationships necessary to conclude the above from our dataset. The concept of trend lines is used in the first visual and lie factor has been used to minimize the difference between the highest and second-highest values. Filter has been provided for second visual to facilitate ease of viewing.

## References:

N/A