

# Advanced Data Analysis-Udacity

## Data Visualization Using Tableau

Project: [Flight Delays and Cancellations](#)

### Insight 1

Link:

[Flight Cancellation number with AIRLINE | Tableau Public](#)

### Summary:

From this dashboard that contain map and bar chart that show to us flight cancellation. In map the most cancellation occur in California with 33331 and Texas with 32612.

I bar chart we compare AIRLINE and sum of cancellation flights . The most cancellation number with Airline was WN with 818 and EV Airline with 800.

Here I used a map because It's very easy to understand and beautiful darker area (States)are larger than lighter area(States) in flight cancellations.

Bar chart there are only 14 AIRLINE so This is the best chart for this visualization.

### Design:

Map & bar chart

## Insight 2

### Link:

[Flight Cancellation with Month | Tableau Public](#)

### Summary:

From this Pie chart that contain cancellation reason and cancelled number of flight. Here I use Pie chart because it's very clear at this point and there are 3 Flight cancellation reasons only.

In this visualization I do aliases

- A- Airline/Carrier with number 1260
- B- Weather with number 2397 the most reason for cancellation
- C- National Air System with number 776

### Design:

Pie chart

## Insight 3

### Link:

[Flight Cancellation with Month | Tableau Public](#)

### Summary:

From this visualization I compared with number of cancellation flights with month. Here I use Line chart because it's very clear to understand and know different of flight cancellation in months

That is clear to see that the second month (February) is the highest month (1058) flight cancellation and ninth month is the lowest month (108) flight cancellation.

I add Month to filter to easily know the visualize for every Month.

### Design:

Line chart