

# Insight 1: Best and Worst departure delay in Airline

## Link:

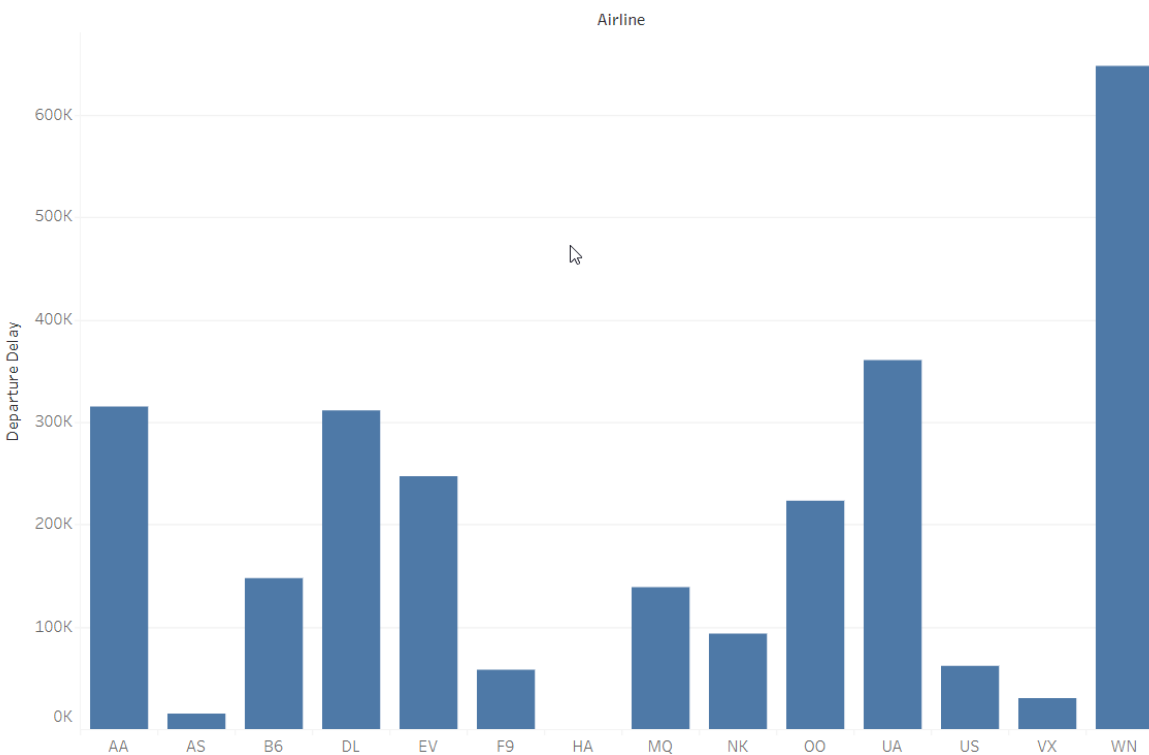
<https://public.tableau.com/app/profile/mooheshwari.chandran/viz/BestandWorstdeparturedelayinAirline/Sheet1>

**Summary:** The dashboard gives us an overview of departure delay occurred in airline in year 2015. From the graph we can see that departure delay has occurred the most in WN airlines. Whereas airline HA didn't record any departure delay in year 2015.

**Design:** The flight delay dataset is from Kaggle which includes 3 tables (flights, airports, airlines). For this visualization I combined two different dataset (airline and flight) using inner join. I have use bar graph for this visualization. This is because it gives a clear comparison view of departure delay between the other airlines.

Resource: <https://www.youtube.com/watch?v=9xqHA732LMA>

Best and Worst departure delay in Airline



## Insight 2: Airline delay causes

### Link:

[https://public.tableau.com/app/profile/mooheshwari.chandran/viz/Causeofflightdelays\\_16534614307470/Dashboard1](https://public.tableau.com/app/profile/mooheshwari.chandran/viz/Causeofflightdelays_16534614307470/Dashboard1)

**Summary:** The dashboard shows two different graphs. The first diagram is horizontal bar graph which shows the cause of delay occurred in different airline. We can see that security delay is the least delay occurred in all the airline and departure delay score the highest delay.

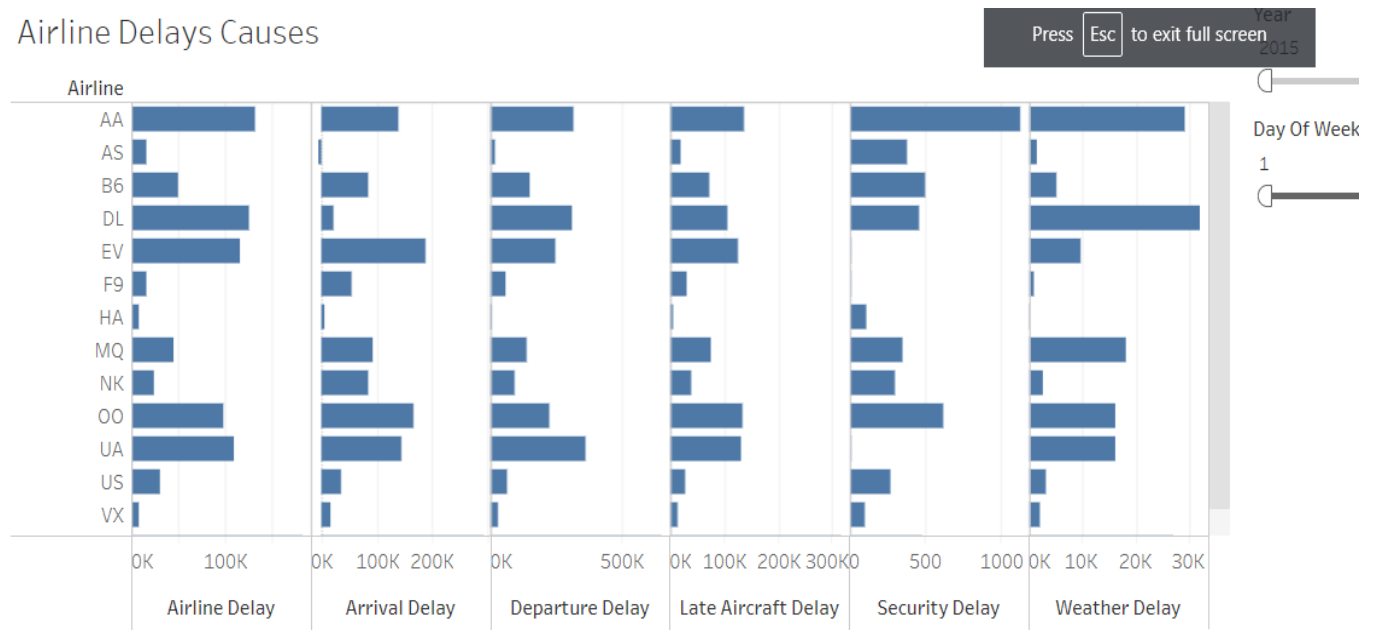
The second diagram shows the departure delay occurred per day of week. From diagram we can see that the most departure delay occurred in the first day of the week.

**Design:** Diagram 1: I choose horizontal bar graph because it shows the detail of the all the delay comparison among the airlines. In a glance of view, we can easily read the min and maximum number of delayed causes in each airline.

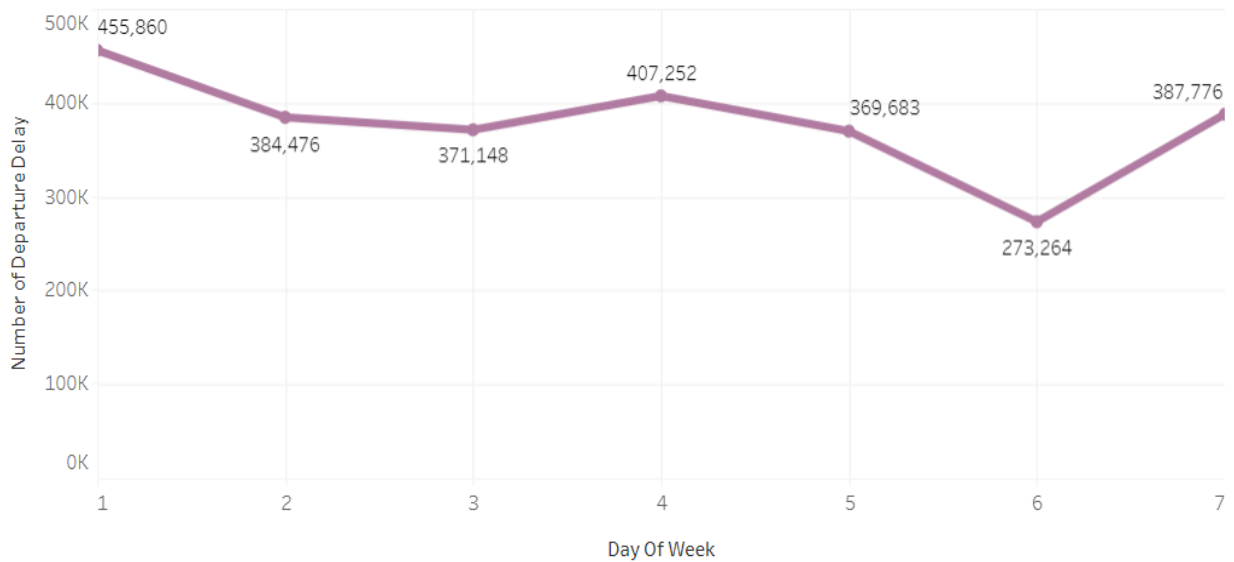
Diagram 2: I choose line graph for the departure delay occurred per day of the week because it's easier to see a trend in the data.

**Resource:** <https://www.youtube.com/watch?v=9xqHA732LMA>

## Airline Delays Causes



## Departure delay per day of the week



## Insight 3: Weather delay count based on city

### Link:

<https://public.tableau.com/app/profile/mooheshwari.chandran/viz/weatherdelaycountbasedoncity/Sheet1>

**Summary:** The dashboard shows a bubble chart visualization that display the weather delay count based on the cities.

**Design:** I choose bubble chart visualization is because it provides a quick gist of the entire bubble chart contents making it easier to read. I have also used the filters for state field so that the user can switch quickly.

**Resource:** <https://www.youtube.com/watch?v=9xqHA732LMA>

