

# Air Flight Delays Dataset

## Details:

- The U.S. Department of Transportation's (DOT) tracks the on-time performance of domestic flights operated by large air carriers.
- Summary information on the number of on-time, delayed, canceled and diverted flights appears in DOT's monthly Air Travel Consumer Report, published about 30 days after the month's end, as well as in summary tables posted on this website.
- It began collecting details on the causes of flight delays in June 2003. Summary statistics and raw data are made available to the public at the time the Air Travel Consumer Report is released.
- The dataset consists of about **1.000.000+ row**.
- Your role is to perform some **Data Analysis** methods to get more **insights** about this dataset.
- Make sure to discover your dataset csv file, create a sql table and import data into it.

## Task:

1. How many flights are in our table?
2. What years, months, and days are in the dataset?
3. Get the total airtime for all flights.
4. What is the average time of the arrival delays and the departure delays?
5. What are the longest and shortest air fly distance?
6. It's interesting to know the average departure delay of all flights, but when it comes to business decisions, this number is not actionable at all. *So, we should know what is the average departure delay of each airport.*
7. What is the total monthly airtime?
8. What is the average departure delay by airport, but for only those flights that flew more than 2000 miles?
9. which airport was the busiest in 2007? (High)
10. How many different airports are in your table?

## Assignment:

**List the:**

- **top 5 planes (identified by the tailnum).**
- **by the number of landings/**
- **at PHX or SEA airport.**
- **on Sundays.**

Thank You...