# **Project Title**

## Airline Data Management and Analysis Using Power BI

## **Problem Statement:**

The airline industry operates with numerous complexities, requiring effective data management and insights into flight schedules, passenger details, and ticketing systems. This project aims to analyze airline operations for improving efficiency and customer satisfaction.

### **Datasets Used:**

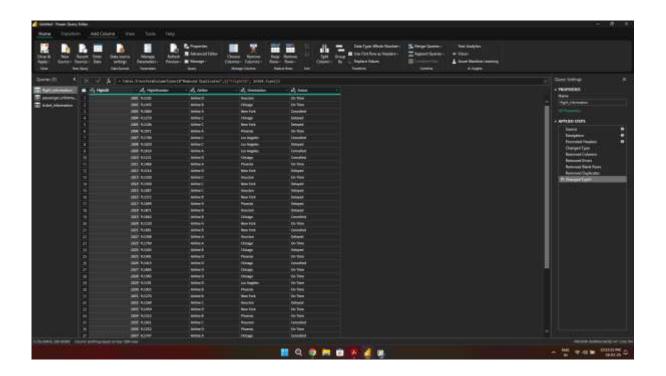
- 1. Flight Information: Includes FlightID, FlightNumber, Airline, Destination, and Status.
- 2. Passenger Information: Includes PassengerID, FlightID, and SeatNumber.
- 3. Ticket Information: Includes TicketID, FlightID, and BookingStatus.

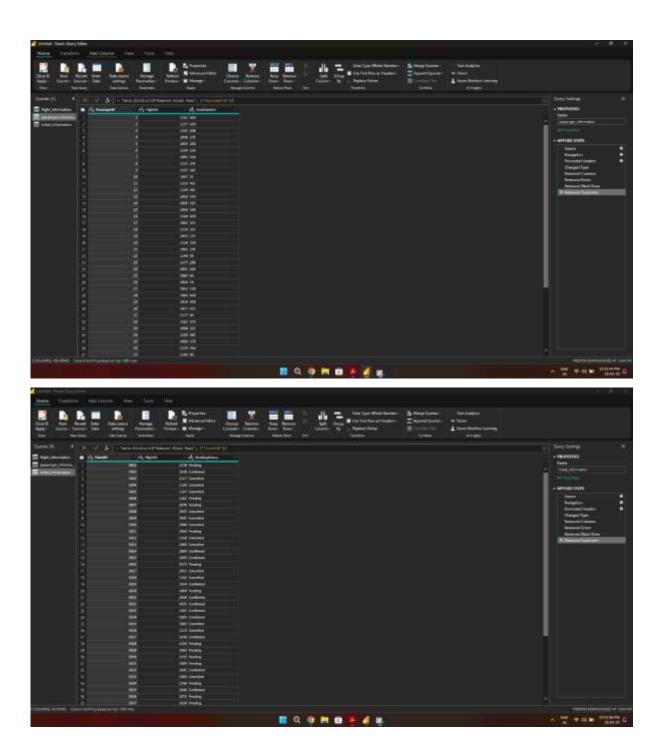
### **Objective:**

To analyze and visualize airline data for operational insights, passenger management, and ticket booking trends using Power BI.

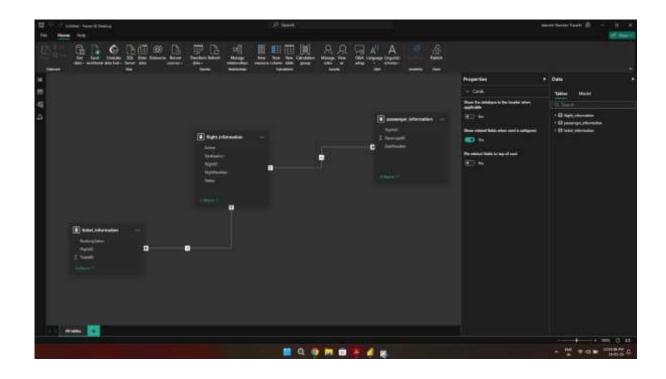
#### **Tasks**

### 1. Data Preparation and Cleaning

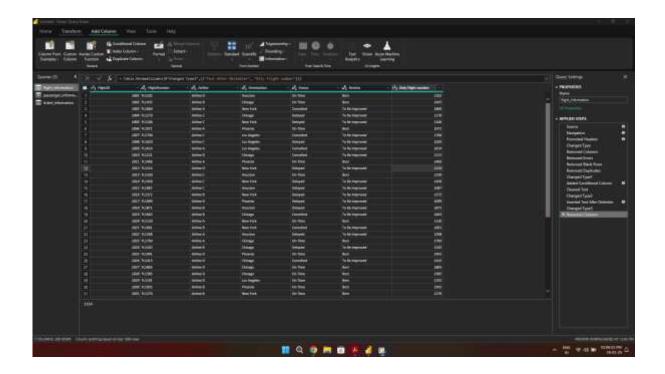




# 2. Data Modeling



## 3. Enhanced Data Insights



## 4. Calculations Using DAX.



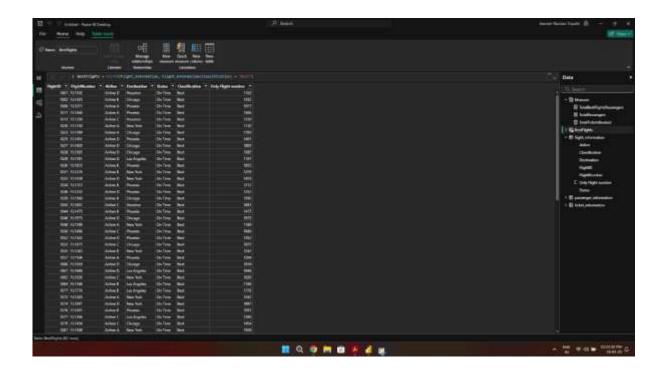
TotalPassengers = COUNT(Passenger\_Information[PassengerID])



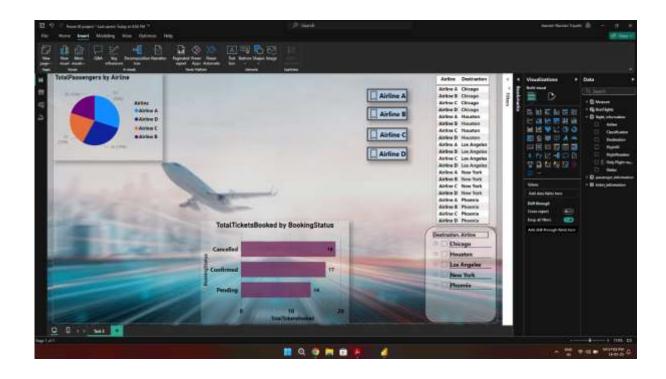
TotalTicketsBooked = COUNT(Ticket Information[TicketID])



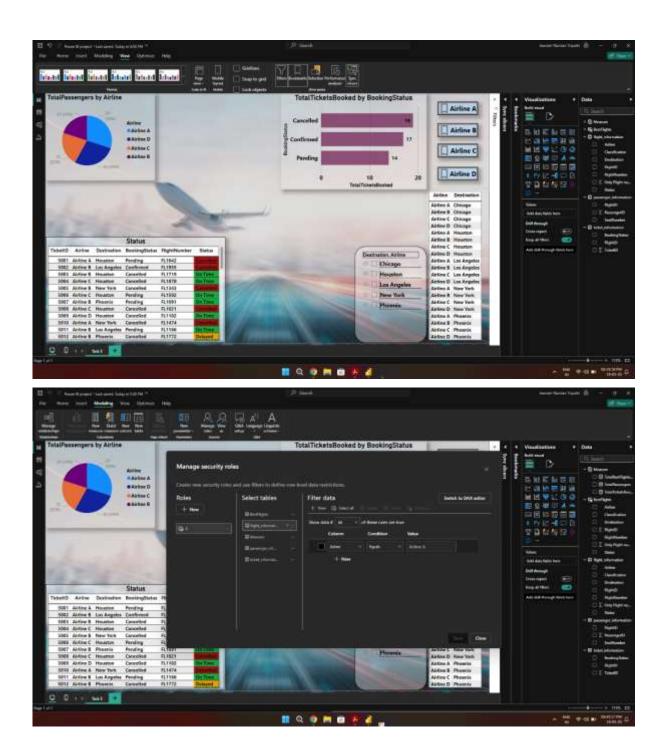
BestFlights = FILTER(Flight\_Information, Flight\_Information[Classification] = "Best")



## 5. Visualization and Interactive Features

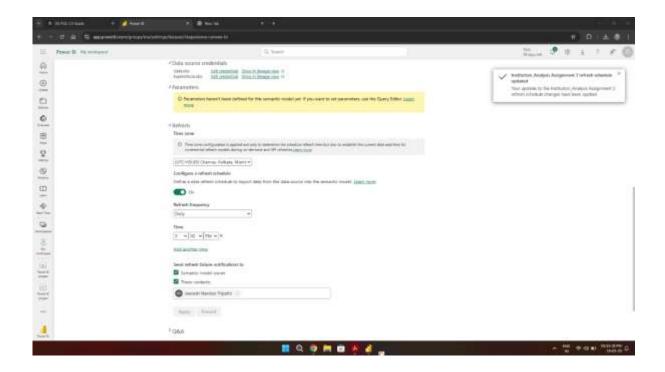


### 6. Final Dashboard and Power BI Service









## Video Link –

 $https://drive.google.com/file/d/1aJlh\_OztYJxczRY5v9h7jr1Rd7rXPsk6/view?usp=sharing$