

## Air Cargo Analysis.

Project 2 | Gradable ⓘ

### DESCRIPTION

Air Cargo is an aviation company that provides air transportation services for passengers and freight. Air Cargo uses its aircraft to provide different services with the help of partnerships or alliances with other airlines. The company wants to prepare reports on regular passengers, busiest routes, ticket sales details, and other scenarios to improve the ease of travel and booking for customers.

#### **Project Objective:**

You, as a DBA expert, need to focus on identifying the regular customers to provide offers, analyze the busiest route which helps to increase the number of aircraft required and prepare an analysis to determine the ticket sales details. This will ensure that the company improves its operability and becomes more customer-centric and a favorable choice for air travel.

**Note:** You must download the dataset from the course resource section in the LMS and create the tables to perform the above objective.

#### **Dataset description:**

**Customer:** Contains the information of customers

- customer\_id - ID of the customer
- first\_name - First name of the customer
- last\_name - Last name of the customer
- date\_of\_birth - Date of birth of the customer
- gender - Gender of the customer

**passengers\_on\_flights:** Contains information about the travel details

- aircraft\_id - ID of each aircraft in a brand
- route\_id - Route ID of from and to location
- customer\_id - ID of the customer
- depart - Departure place from the airport
- arrival - Arrival place in the airport
- seat\_num - Unique seat number for each passenger
- class\_id - ID of travel class
- travel\_date - Travel date of each passenger
- flight\_num - Specific flight number for each route

**ticket\_details:** Contains information about the ticket details

- p\_date - Ticket purchase date
- customer\_id - ID of the customer
- aircraft\_id - ID of each aircraft in a brand
- class\_id - ID of travel class
- no\_of\_tickets - Number of tickets purchased
- a\_code - Code of each airport
- price\_per\_ticket - Price of a ticket
- brand - Aviation service provider for each aircraft

**routes:** Contains information about the route details

- Route\_id - Route ID of from and to location
- Flight\_num - Specific flight number for each route
- Origin\_airport - Departure location
- Destination\_airport - Arrival location
- Aircraft\_id - ID of each aircraft in a brand
- Distance\_miles - Distance between departure and arrival location