Performance Air Cargo Analysis

Project Overview

This project was completed as part of the SQL Course-End Project through Simplilearn. The objective of the project is to analyze air cargo operations data to evaluate shipment performance, customer trends, and operational efficiency using SQL.

Objectives

• Analyze air cargo shipment performance
• Identify customer and route-level trends
• Perform aggregation and filtering for business insights
• Strengthen SQL skills using real-world logistics data

Dataset Description

The dataset contains information related to air cargo logistics, including shipment details, customer information, routes, destinations, cargo weight, and shipment performance metrics.

Tools & Technologies Used

• MySQL
• MySQL Workbench
• SQL (DDL, DML, DQL)
• Joins, Subqueries, Aggregate Functions

Tasks Performed

• Created and populated database tables
• Executed complex SQL queries for air cargo analysis
• Used joins and subqueries to combine multiple tables
• Analyzed shipment, route, and customer performance
• Derived insights for operational improvement

Key Learnings

This project provided hands-on experience in applying SQL to logistics and supply chain analytics. It improved my understanding of how databases are used to track cargo performance and support data-driven business decisions.

Conclusion

The Performance Air Cargo Analysis project enhanced my SQL proficiency and practical exposure to real-world logistics datasets. It demonstrates my ability to analyze operational data and extract meaningful insights using SQL.

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