Elevator Pitch:

"Hello, my name is Debra Mdunge and I've been working with Flyzy, a travel tech company, to optimize their airline negotiations and flight route planning. The problem we tackled was the need for a data-driven approach to identify the best airlines for negotiation and to determine the cost-effectiveness of direct vs. indirect flights. Our solution involved creating a comprehensive dashboard using Power BI, which enabled us to analyze and visualize key metrics such as route frequency, travel time, and ticket prices. We implemented strategies like filtering, sorting, and weighting criteria to identify top airlines for negotiation. Our research methods included data cleaning, formatting, and visualization. With this dashboard, Flyzy can now make informed decisions and improve their negotiation outcomes. I'd love to hear your feedback on our approach and findings!"

FLYZY AIRLINE

Presented by DEBRA MDUNGE

index

INTRODUCTION

Welcome to Flyzy , a cutting -edge travel technology company revolutionizing the way we travel. The mission is to make travel planning and booking seamless , efficient , and personalized

Company Description

- FLYZY; Travel Tech Company

Goals; Optimize Airline negotiation and Flight Route
The goal of this project is to develop proficiency in data analysis and visualization using Power BI. The project will cover the following learning goals:

- Learn to work with large and complex datasets from the aviation industry

- Develop skills in data cleaning, transformation, and manipulation

- Learn to identify patterns and trends in flight data, and derive insights to improve airline operations

Problem statement

- Need for data-driven approach

- Identify best Airlines for negotiation

- Determine Cost –Effectiveness of Direct vs Indirect Flights

The problem we tackled was the need for a data-driven approach to identify the cost –effectiveness of direct vs indirect flight.
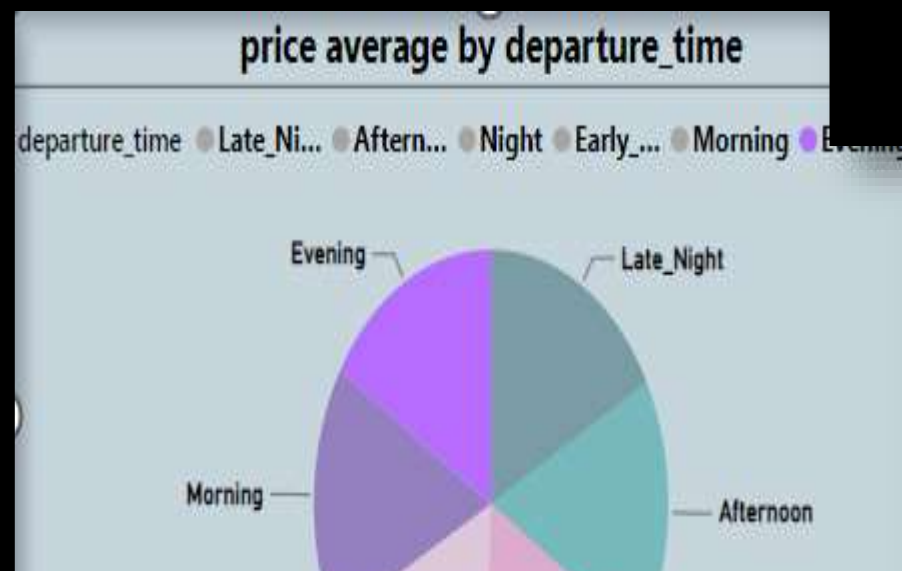
solution

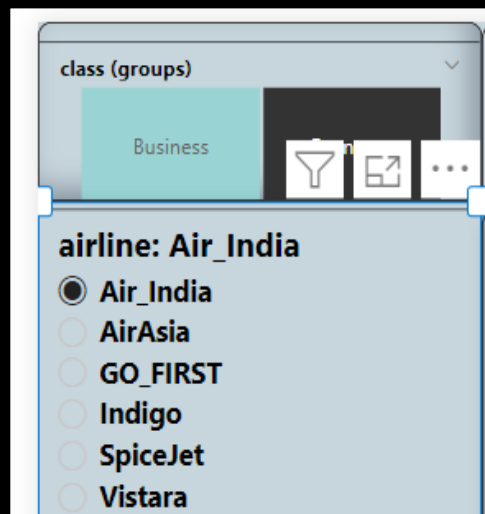- Comprehensive Power BI Dashboard

our SOLUTION involved creating a comprehensive dashboard using BI, which enables us to analyze and visualization key metrics such as route frequency, travel time, and ticket prices.

Strategies and Research Methods

- Data cleaning and Formatting

Visualization and Analysis

- Criteria Weighting and Filtering

- We implemented strategies like filtering, sorting and weighting criteria to identify top airlines for negation.

- My research methods includes data cleaning, formatting, and data visualization.

With this dashboard,

FLYZY can now make informed decision and improves their negotiations outcomes.

8.11K
price average

6.22K
price average

price average by departure_time

departure_time ●Late_Ni... ●Aftern... ●Night ●Early_... ●Morning ●Evening

Evening — Late_Night

Morning — Afternoon

class (groups)

Business

airline: Air_India
● Air_India
○ AirAsia
○ GO_FIRST
○ Indigo
○ SpiceJet
○ Vistara

price average by arrival_time

arrival_time ●Late_Night ●Evening ●Night ●Afternoon ●Morning ●Early_Morning

Early_Morning — Late_Night

Morning — Evening

Concluding Statement

In conclusion

This research has the potential to make a significant contribution to the aviation industry. By developing proficiency in data analysis and visualization using Power BI, airlines can gain insights into their performance and identify areas for improvement. These insights can help airlines improve operational efficiency, enhance passenger satisfaction, and increase revenue.