



AIRPORT DATA ANALYSIS

Power BI



INTRODUCTION

Airport Data analysis involves examining various aspects of airport operations, including passenger traffic, flight schedules, delays, cargo movement, and overall efficiency. By leveraging data analytics, airports and aviation authorities can optimize operations, enhance passenger experience, and improve decision-making.

REQUIREMENTS

- **Flight Data**
- **Passenger Data**
- **Airline Performance Data**
- **Cargo and Freight Data**
- **Security and Safety Data**
- **Revenue and Financial Data**
- **Entertainment and service Reviews**





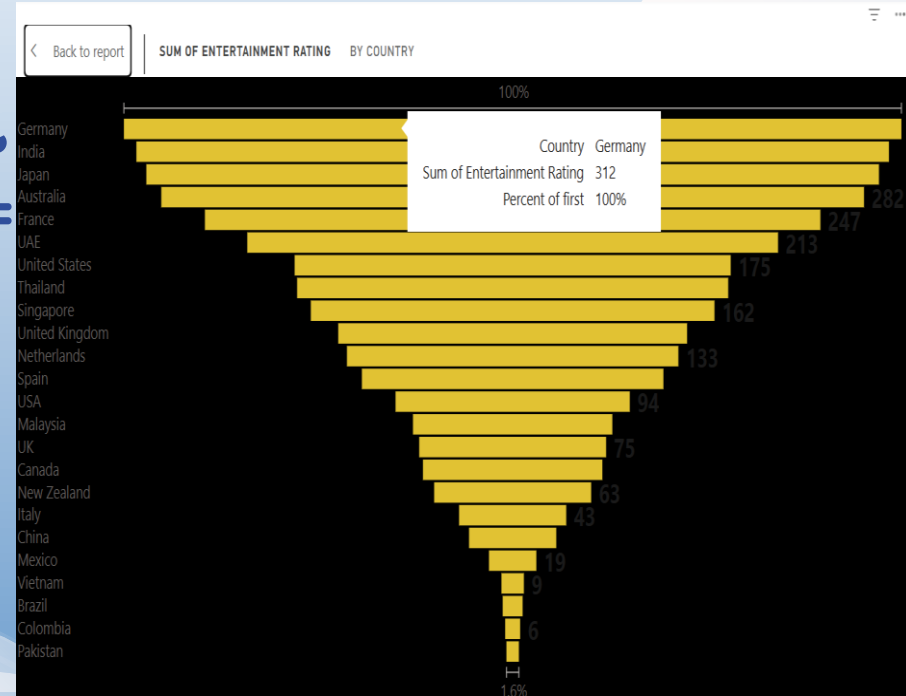
ANALYTICS



Airlines Dataset Dashboard Overview

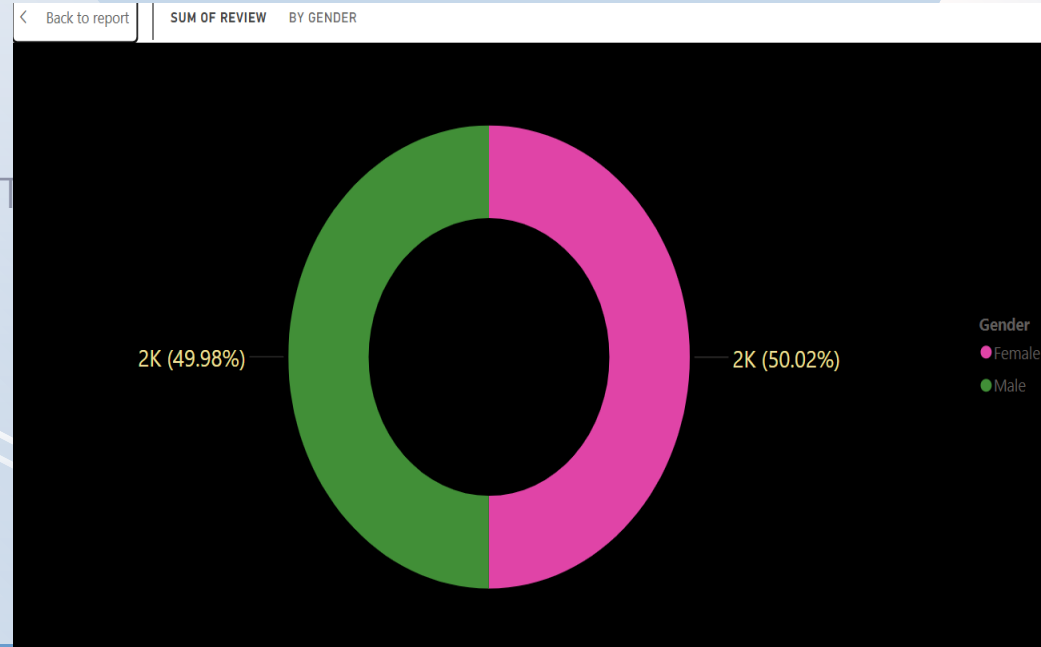
Entertainment Ratings

- Here we analyzed entertainment ratings
- The Germany country has got the highest entertainment ratings.



Review by gender

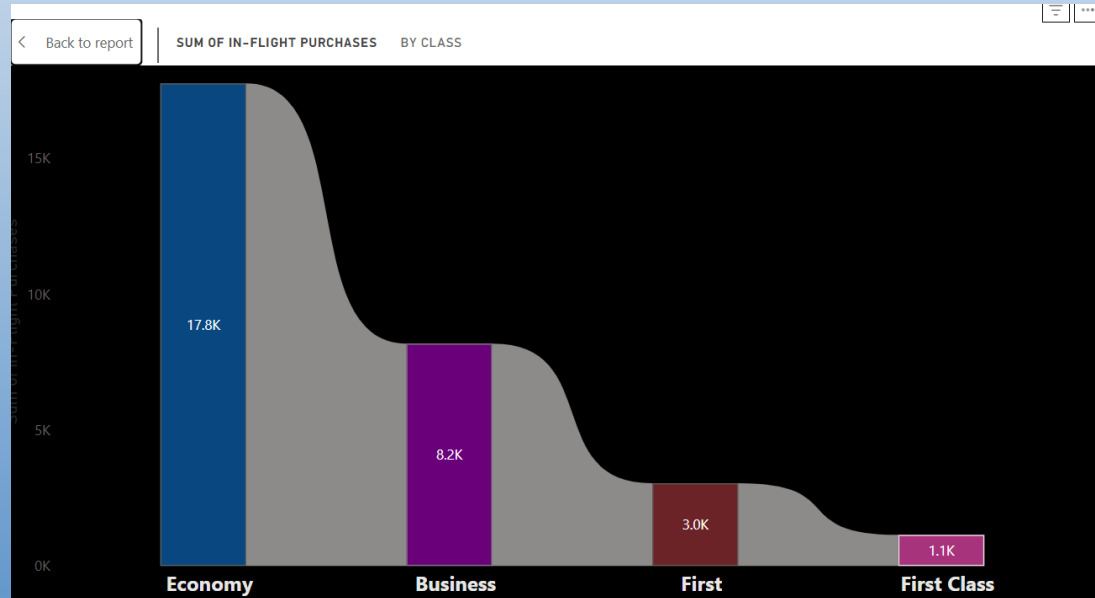
- here we analyzed the review parts from gender and female has the highest ratings than the male



In-Flight Purchase

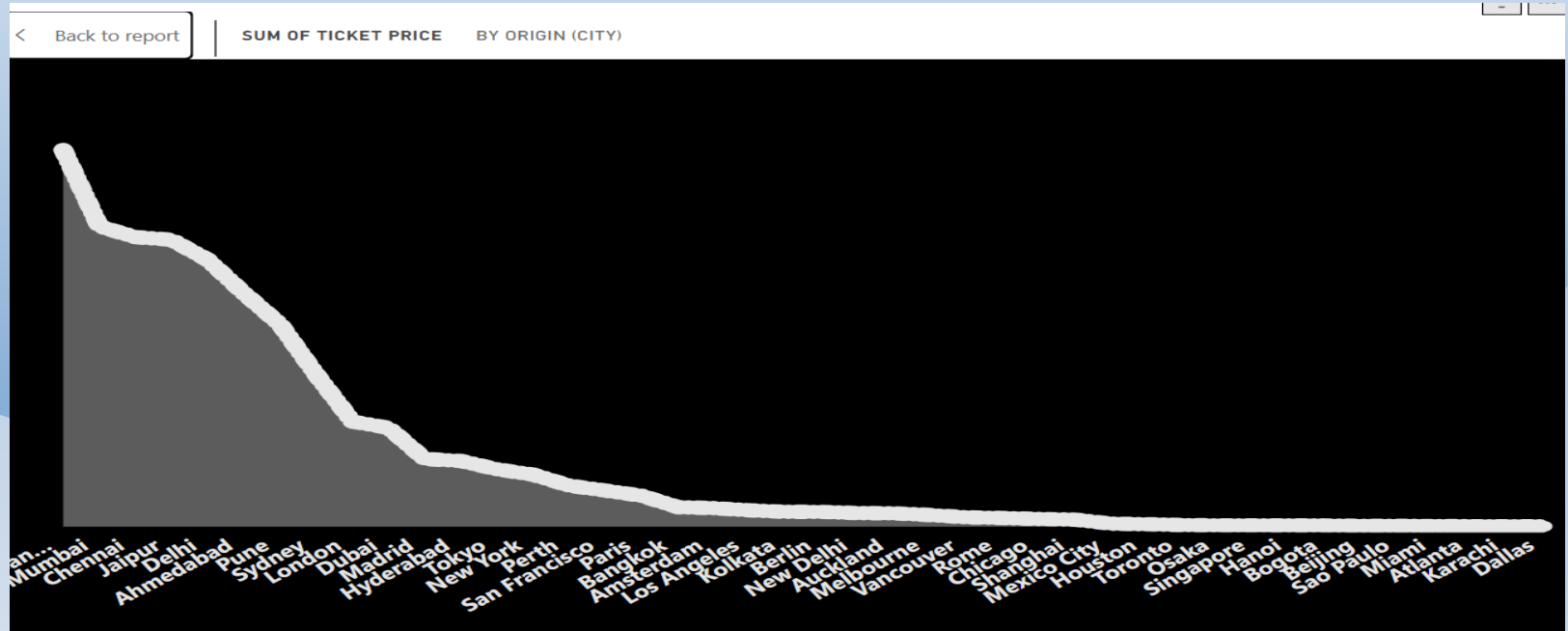
We analyzed in flight purchases and we got the result that many Peoples travelled in flight have taken many classes and they have Made purchases many things as per the most purchases have made in Economy class

02



Ticket Price By Origin

Many peoples have traveled from different countries and as per that we could notice that from origin city the ticket price has been collected most from Mumbai country.



Buttons

Boarding Group

Many countries have lot of boarding groups as per the flight data and passengers we have calculated sum total of boarding groups

1397

Sum of Boarding Group

Miles Travelled

As per the passengers travelled miles, we have calculated sum total of miles

3M

Sum of Miles Traveled

Ticket Price

We know that ticket price have been collected from different peoples and here is total

2M

Sum of Ticket Price

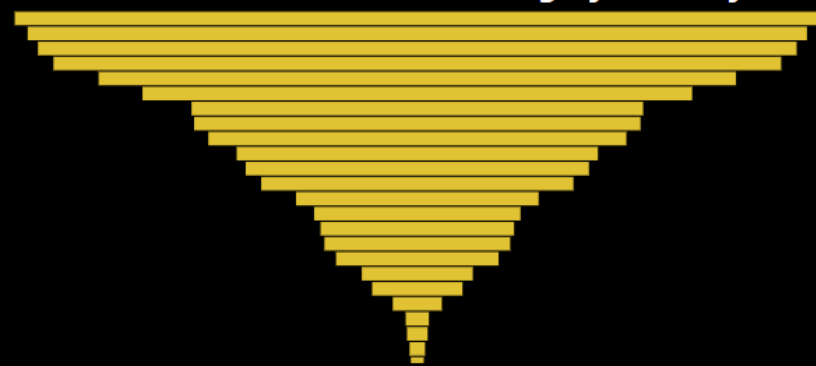


Dashboard

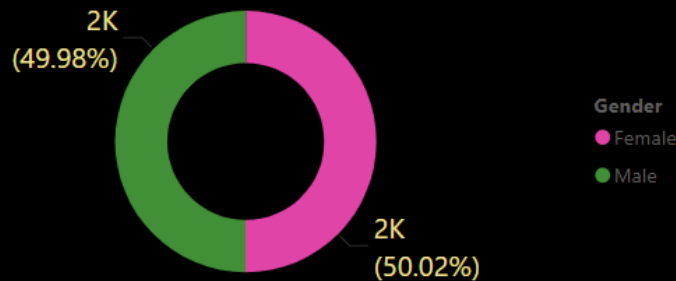
Airlines Dataset Dashboard



Sum of Entertainment Rating by Country



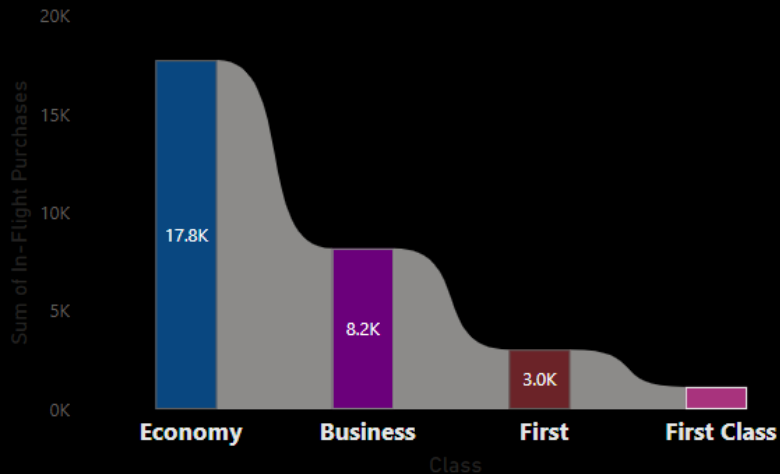
Sum of Review by Gender



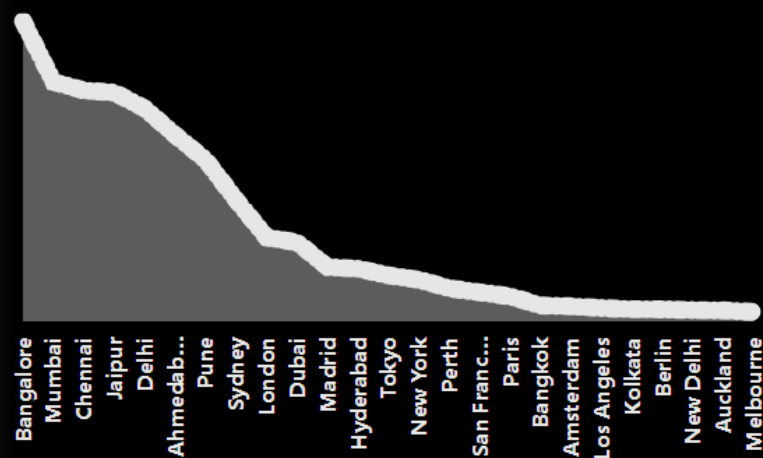
Country

- ☐ Colombia
- ☐ France
- ☐ Germany
- ☐ India
- ☐ Italy

Sum of In-Flight Purchases by Class



Sum of Ticket Price by Origin (City)



1397

Sum of Boarding Group

3M

Sum of Miles Traveled

2M

Sum of Ticket Price

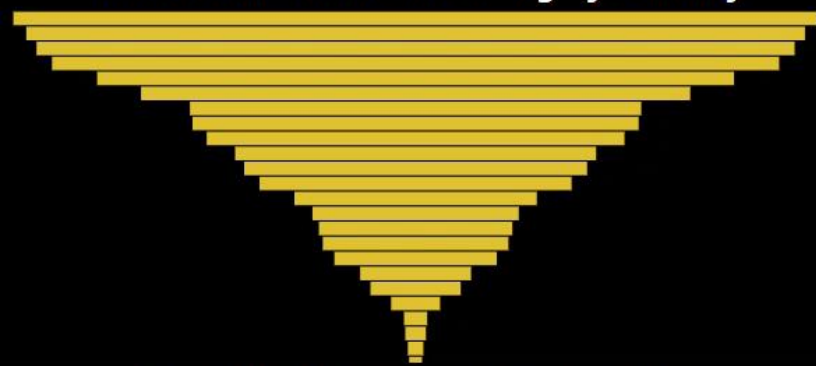
VIDEO OF DASHBOARD



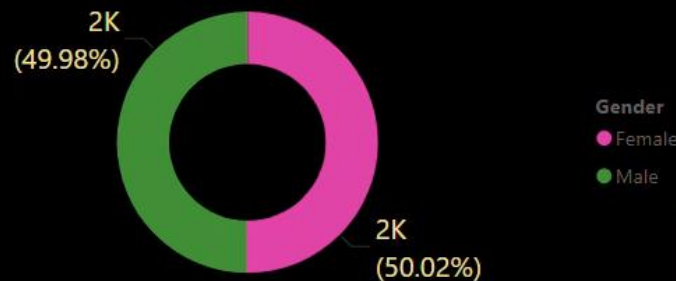
Airlines Dataset Dashboard



Sum of Entertainment Rating by Country



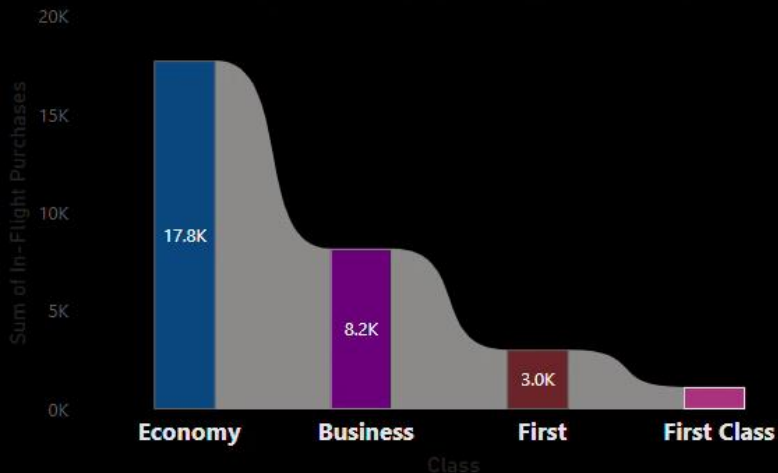
Sum of Review by Gender



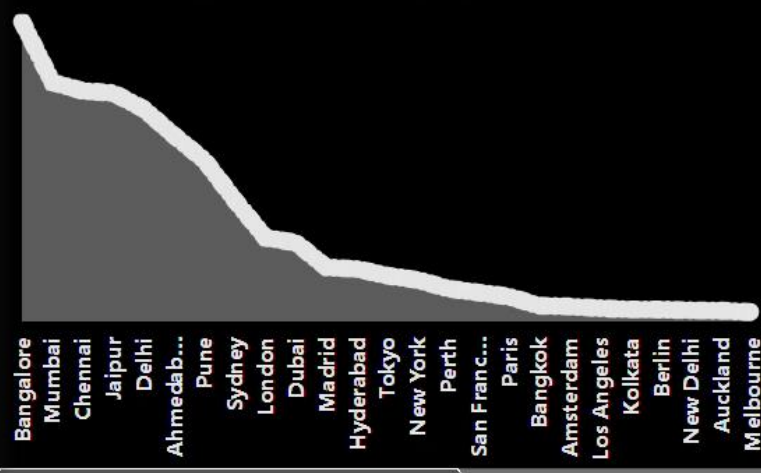
Country

- ☐ Colombia
- ☐ France
- ☐ Germany
- ☐ India
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Sum of In-Flight Purchases by Class



Sum of Ticket Price by Origin (City)



1397

Sum of Boarding Group

3M

Sum of Miles Traveled

2M

Sum of Ticket Price

Conclusion

- Airport data analysis plays a crucial role in enhancing operational efficiency, improving passenger experience, optimizing airline performance, and maximizing financial returns.
- By leveraging structured data from flights, passengers, cargo, security, and revenue streams, airports can make informed decisions that lead to better service quality and resource management.
- Analyzing flight schedule, delays, and turnaround times helps improve punctuality, while passenger insights enable airports to enhance facilities and customer satisfaction.
- Cargo data ensures smooth logistics, and security analytics strengthen safety measures.
- Additionally, financial data analysis helps airports identify profitable areas and manage costs effectively.
- Overall, airport data analysis provides a data-driven approach to managing airport operations, leading to better decision-making, reduced inefficiencies, and an improved experience for travelers, airlines, and stakeholders.

THANK YOU

