

PROJECT INSIGHTS ON INDIAN AIRLINES SQL :

Price Analysis

1. Average Price by Airline & Route
2. Average Price by Route
3. Average Price by Airline
4. Average Price per Route
5. Average Price by Class
6. Rank Airlines by Average Price
7. Price Trend by Days Left (Grouped)
8. Above-Average Priced Flights by Airline
9. Price Tier Classification

Extreme Price Identification

10. Top 5 Most Expensive Flights
11. Top 5 Cheapest Flights
12. Single Most Expensive Flight
13. Single Cheapest Flight
14. Top 5 Cheapest Economy Flights
15. Top 5 Most Expensive Business Flights

Flight Characteristics

16. High-Priced Flights with Poor Quality
17. Low-Priced Flights with High Quality
18. Shortest Duration Flights
19. Flights with Least Days Left

Flight Route & Volume Analysis

20. Most Frequent Routes
21. Flight Count by Airline
22. Flight Count by Stops
23. Top 3 Cheapest Flights per Route

Data Integrity and Duplication

24. Detect Duplicate Flights

PROJECT INSIGHTS ON INDIAN AIRLINES EDA:

1. Prices are right skewed with many flights clustered around: Rs 4000 - Rs 8000
2. Higher price outliers come from premium routes.
3. Prices are maximum that is around Rs 8000 for flights having 2 or more stops.
4. Airlines that have higher price ranges: Vistara & Air India
5. Business class tickets are 8 times more expensive than economy class's average.
6. Average price by route is around: Rs 6000
7. Outliers detected with IQR: 7036
8. Outliers detected with Z-score: 1719
9. Duration vs Price correlation: +0.29
10. Flights departing late night tend to have lower median prices compared to afternoon slots.

