



Air Travel Analysis: Unveiling Key Trends and Insights

Problem Statement 1: Total Passengers per Origin-Destination Pair

Problem Statement 2: Average Seat Utilization per Flight

Problem Statement 3: Top 5 Origin-Destination Airport Pairs by Passenger Volume

Problem Statement 4: Total Flights and Passengers per Origin City

Problem Statement 5: Total Distance Flown per Origin Airport

Problem Statement 6: Monthly Flight Analysis

Problem Statement 7: Underutilized Routes Analysis

Problem Statement 8: Top 3 Origin Airports by Flight Frequency

Problem Statement 9: City Sending the Most Flights and Passengers to Bend, OR (Excluding Bend, OR)

Problem Statement 10: Longest Flight Route

Problem Statement 11: Most and Least Busy Months by Flight Count

Problem Statement 12: Year-over-Year Percentage Growth in Passenger Numbers for Each Origin-Destination Pair

Problem Statement 13: Routes with Consistent Year-over-Year Growth in Flight Numbers

Problem Statement 14: Top 3 Origin Airports with Highest Weighted Passenger-to-Seats Utilization Ratio

Problem Statement 15: Peak Traffic Month for Each Origin City

Problem Statement 16: Routes with Largest Decline in Passenger Numbers Year-over-Year

Problem Statement 17: Underperforming Routes with Low Seat Utilization

Problem Statement 18: Routes with Longest Average Flight Distance

Problem Statement 19: Annual Trends in Air Travel

Problem Statement 20: Top 3 Busiest Routes Based on Total Distance Flown

Problem Statement 21: Correlation Between Origin City Population and Total Passengers

Problem Statement 22: Origin Cities with Highest Flight Frequency Per Capita

Problem Statement 23: Average Seat Utilization for High vs. Low Population Cities