Airline Dataset Analysis with Qlik

Total Number of Passengers

98.62k

The total number of passengers travelled is around 98k this metric provides an overview of the dataset's size and the volume of passenger data available for analysis, which is essential for understanding the scope and scale of travel activity being studied.

Average Age of Passengers Travelled

45.5

The average age of passengers helps identify the primary demographic, informing service customization and marketing strategies. A younger average age suggests a need for tech-savvy services, while an older average age emphasizes comfort and health amenities. Analyzing this metric over time can reveal demographic shifts, aiding strategic planning.
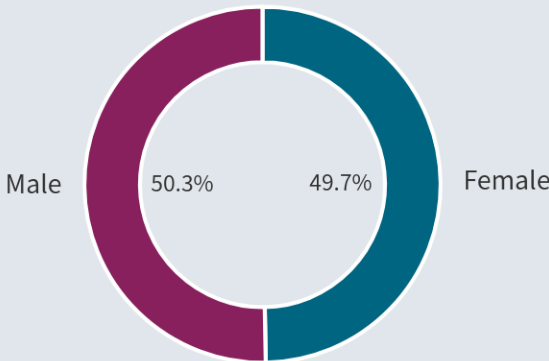
Number of On Time Flight Data

32.85k

The number of on-time flights indicates the reliability and punctuality of flight operations. This metric helps assess the efficiency of the airline and airport in maintaining scheduled departure and arrival times.
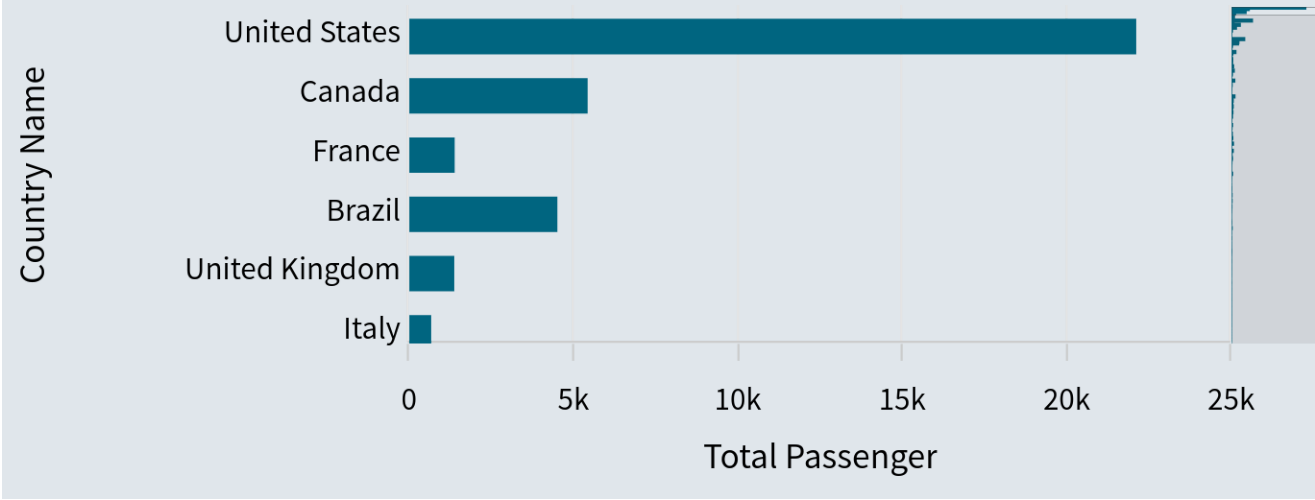
Gender Distribution

Male   50.3%   49.7%   Female

The Gender Distribution will let us know the details about how many Males and Females are travelling. This metric helps understand the demographic balance.
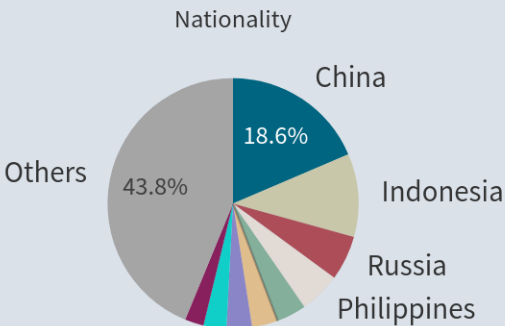
From the data we can analyze that United States is the country where most of the Airports are located followed by Canada,France,Brazil,United Kingdom and Italy.

Top Countries by Airport Volume

Country wise Passengers travelling
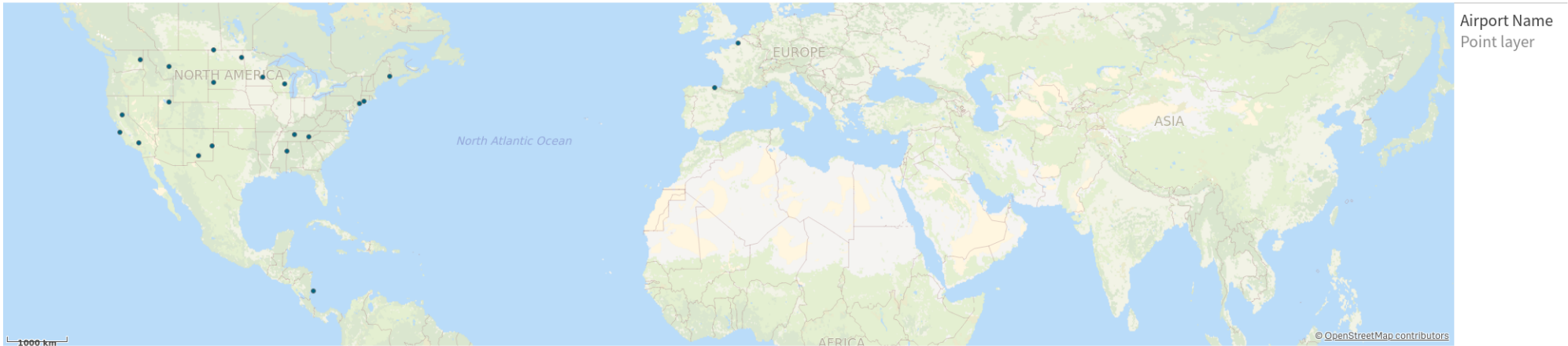
Nationality

The highest passengers travelling are from China,Indonesia and Russia etc.This metric helps identify key hubs or peak travel times, aiding in resource allocation and operational planning.

The average age of persons based on nationality provides insights into the age demographics of travelers from different countries. This metric can help tailor services and marketing strategies to the specific needs and preferences of different nationalities.

Average Age of Passengers based on Nationality

Nationality	Avg(Age)
Totals	**45.504021**
Japan	45.598338
Nicaragua	47.482759
Russia	45.369928
China	45.243817
Brazil	45.266948
Ivory Coast	46.163265

Airport Locations *

Airport Name
Point layer

* Currently showing a limited data set.

The Map represents the Airport
Locations all around the world.
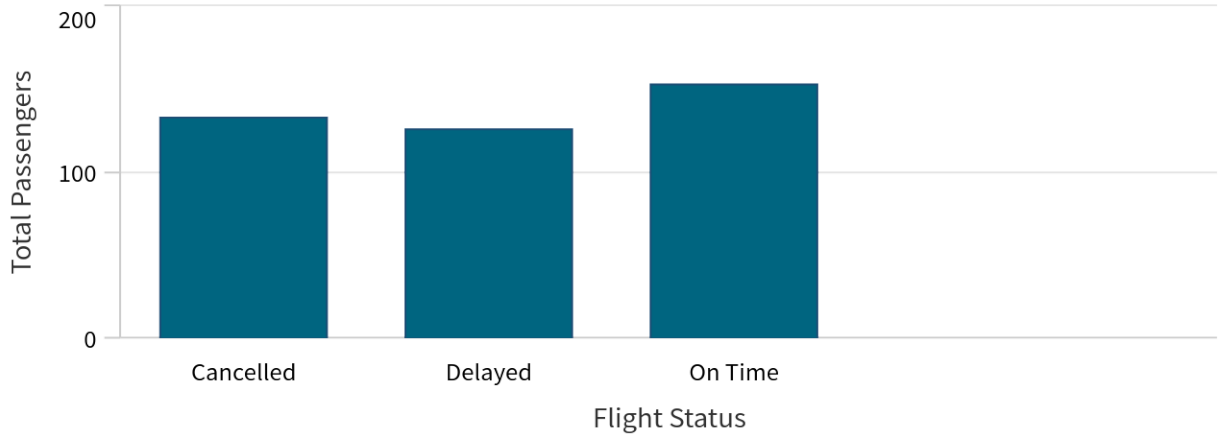
FLIGHT OPERATIONS

On Time Flights

153

Cancelled Flights

133

Delayed Flights

126

Flight operations play crucial role in analyzing the flight data to check weather the flights is right time, cancelled or delayed which is essential for improving operational efficiency, passenger satisfaction, and overall airline performance.

Passengers vs Flight Status

The Graph indicates the total passengers vs cancelled,delayed or on time flight data.

The details of Passenger at particular airports are listed below which will indicate how many passengers are travelling.

Details of Passengers

Airport Name	Total Passengers
Totals	**412**
New Amsterdam Airport	22
New Bight Airport	14
New Coalinga Municipal Airport	12
New Islamabad International Airport	9
New Laura Airport	11
New Moon Airport	16
New Orleans NAS JRB-Alvin Callender Field	10
New Plymouth Airport	9