

Airport Data Analysis

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PROJECT CONTENT

1. ABOUT PROJECT
2. ABOUT DATA
3. INSIDES TO BE FOUND
4. VISUAL ANALYSIS
5. KEY FINDING
6. DASHBOARD VIEW

ABOUT PROJECT

The purpose of data analytics in aviation is to examine the vast amount of data generated daily and provide useful information to airlines, airports, and other aviation stakeholders so that they can improve their operational planning and execution, as well as any related products and services.

ABOUT DATA

- For this project, I am using the airport dataset.
- This dataset is present in the form of an excel workbook.
- Contain 88533 rows and 17 columns
- Some of the important features for our analysis are Date, Geometry, Route, Route 1, Route 2, Event, Flight No, and Gate columns.

INSIDES TO BE FOUND?

1. What is the total number of flights?
2. Which is the most popular day?
3. Which is the most popular route?
4. Which is the longest route?
5. What is the total length of the longest route in km?

VISUAL ANALYSIS

1.Total No. of Flights: -

Total number of flights is equal to 88,532.

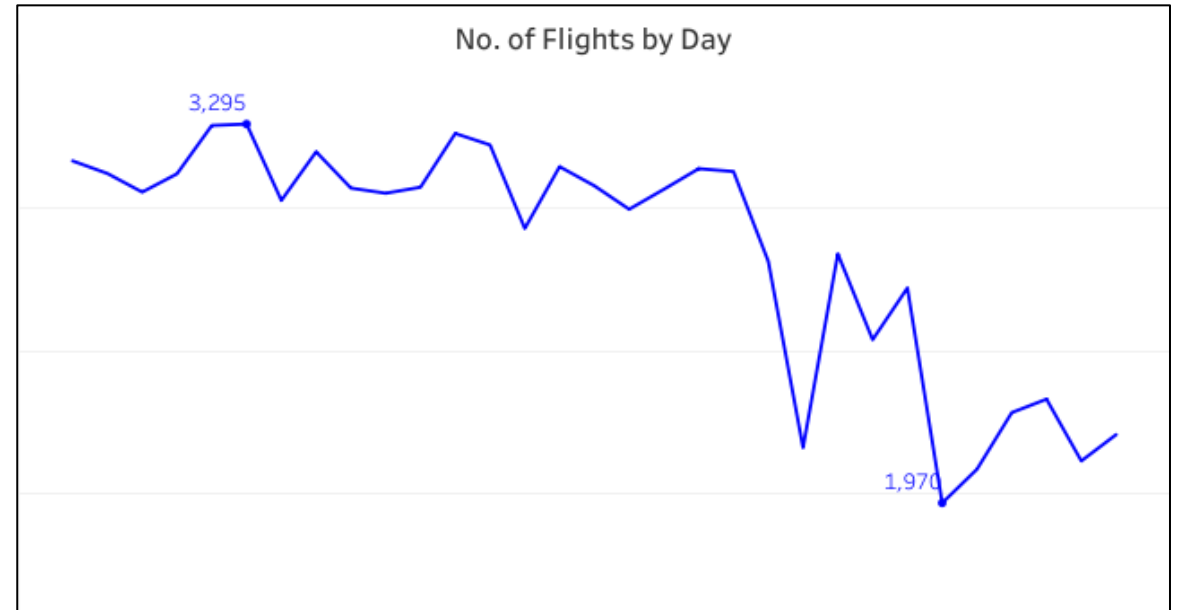
Total No. of
Flights

88,532

VISUAL ANALYSIS

2. No. of Flights by Day.

- Maximum No. of Flight on a particular Day is 3295
- Minimum No. of Flight on a particular Day is 1970



VISUAL ANALYSIS

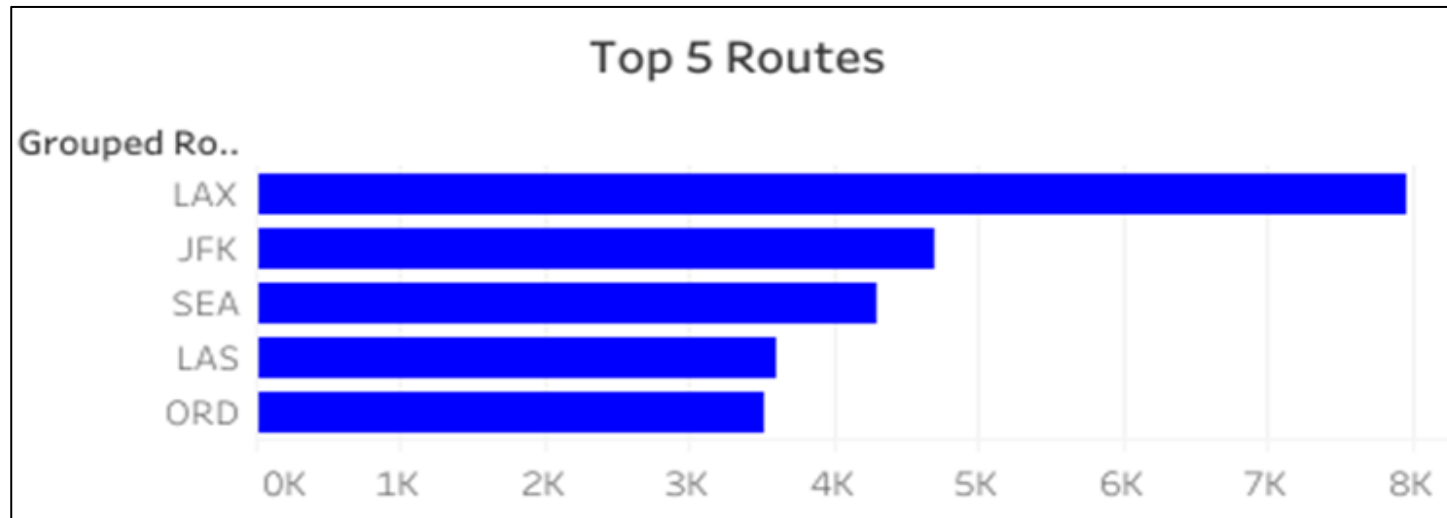
3. Most Popular Day.

- 6th March 2020, is the most popular day
- No. of flights on that day is 3,295

Most Popular Day
March 6, 2020
3,295

VISUAL ANALYSIS

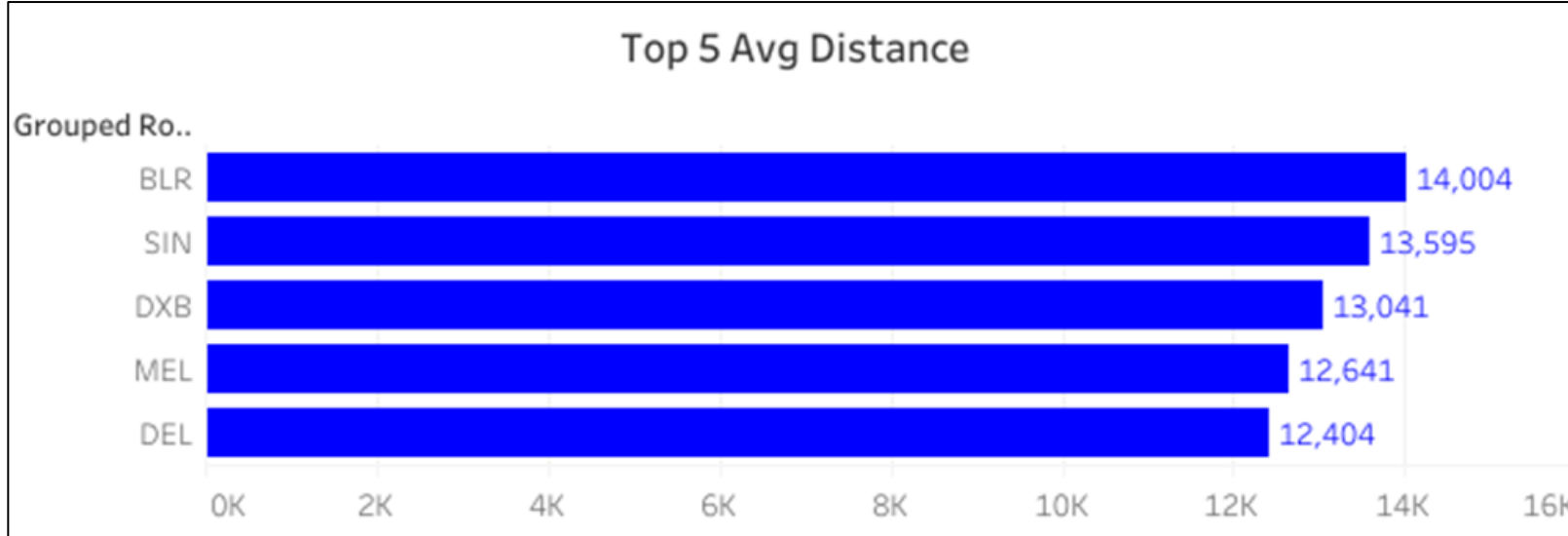
4. Top 5 Routes.



- LAX is the most popular route
- JFX is the second most popular route

VISUAL ANALYSIS

5. Top 5 Average Distance.



- Route BLR is the longest route
- It is 14004 km long

KEY FINDING

Q1. What is the total number of flights?

➤ There are a total of 88,532 flights.

Q2. Which is the most popular day?

➤ 6th March 2020, is the most popular day and no. of flights on that day is 3,295.

Q3. Which is the most popular route?

➤ LAX is the most popular route

KEY FINDING

Q4 Which is the longest route?

Route BLR is the longest route

Q5 What is the total length of the longest route in km?

➤ The total length of route BLR is 14004 km

DASHBOARD VIEW

