FLIGHT FARE PREDICTION

ABOUT PROJECT AND OBJECTIVE

An airline company provides air transport services for traveling passengers. Airlines assign prices to their services in an attempt to maximize profitability. The pricing of airline tickets has become increasingly complicated over the years.

The price of an Airline Ticket is affected by a number of factors, such as flight duration, days left for departure, arrival time and departure time, arrival cities etc. The goal is to build a model that accurately predicts flight prices to help travelers save time and money.

About Dataset

- We have 2 datasets here — training set and test set.
- The training set contains the features, along with the prices of the flights. It contains 10683 records, 10 input features and 1 output column — 'Price'.
- The test set contains 2671 records and 10 input features. The output 'Price' column needs to be predicted in this set.
- We will use Regression techniques here, since the predicted output will be a continuous value.

Data Description

1. Airline: The name of the airline.
2. Date_of_Journey: The date of the journey
3. Source: The source from which the service begins.
4. Destination: The destination where the service ends.
5. Route: The route taken by the flight to reach the destination.
6. Dep_Time: The time when the journey starts from the source.
7. Arrival_Time: Time of arrival at the destination.
8. Duration: Total duration of the flight.
9. Total_Stops: Total stops between the source and destination.
10. Additional_Info: Additional information about the flight
11. Price: The price of the ticket