FLIGHT PRICE PREDICTION

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ABSTRACT

- We developed a machine learning model to predict the price of the flight.
- This model can provide the ticket prices of every flight tickets.
- It is a platform that is extremely benefical for the passengers and airlines.
- It is a model with high accuracy score which is created using the XGB Regressor Algorithm.
- A thorogh study of the data will aid in the discovery of valuable insights that wil be of enormous value to passengers and airlines.

PROBLEM STATEMENT

- Nowadays, the number of people using flights has increased significantly.
- It is difficult for airlines to maintain prices since price changes dynamically due to different conditions .
- Thus, the flight prices are something hard to predict.

PROJECT SPECIFICATION

- ✓ As a data Analyst , we are using various Machine Learning to solve this problem.
- ✓ This can help airlines by predicting what prices they can maintain it can also help customers to predict future prices and their journey Accordingly .
- ✓ The model is created by obtaining the information from kaggle which is a freely availble platform .
- ✓ The data contains 10683 Records of data .

DATASET DESCRIPTION

- ✓ The Dataset was obtained from kaggle.com.
- ✓ There are 10683 observation in our dataset with 11 columns and attributes.
- ✓ The 11 Columns are :

1. Airline
2. Date of Journey
3. Source
4. Destination
5. Route
6. Dep_time
7. Arrival_time
8. Duration
9. Total_stops
10. Addition_info
11. price

COLUMN DESCRIPTION

1. Airline : the name of the airline.
2. Date_of_journey: the date of the journey.
3. Source: the souce 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 you starts from the source.
7. Arrival_time:time of arrival of 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

PIPELINE