Data Science PROJECT

Client: Flight Ticket Price Prediction

Category: Price Prediction (Regression)

Project Ref: PM-PR-0025

Business Case:

The flight ticket price in India is based on demand and supply model with few restriction on pricing from regulatory bodies. It is often perceived as unpredictable and , recent dynamic pricing scheme added to the confusion.

The objective is to create a machine learning model for predicting the flight price, based on historical data, which can be used for reference price for customers as well as airline service providers.

PROJECT GOAL:

1. Creating a machine learning for predicting flight ticket price with high accuracy.

Feature Details:

Airline: The name of the airline.

Date_of_Journey: The date of the journey

Source: The source from which the service begins.

Destination: The destination where the service ends.

Route: The route taken by the flight to reach the destination.

Dep_Time: The time when the journey starts from the source.

Arrival_Time: Time of arrival at the destination.

Duration: Total duration of the flight.

Total_Stops: Total stops between the source and destination.

Additional_Info: Additional information about the flight

Price: The price of the ticket

Data :

Size of training set: 10683 records
Size of test set: 2671 records

Data is attached with the project in excel file format.