Flight price prediction

Problem statement

This problem statement is about predicting the price of flights on a paticular day for different airlines.

Different sites for booking the flights

- Yatra.com
- Cheapoair
- Booking.com
- skyscanner.com

These sites are used to scrap the deatails of various flights and converted into DataFrame

understanding

- This dataset tells how all the factors are responsible for the price of the flight such as Date and place of journey route, airline name. Different prices for different date and route.

EDA Steps

- After scrapping the data from various sites ,the details are then converted into different dataframes.
- The different dataframes are than concatenated to make one single dataframe.
- Checking the null values.(.null().sum())
- Checking the datatypes(.dtypes())
- Converting column type from object to float
- Checking the shape(.shape)

steps

- Checking for white spaces and convert into nulls and then imputing the nulls.
- Encoding the dataframe(to convert string into numeric)
- Checking the skewness
- Removing the outliers if any.
- As we have cleaned the data.lets move further.

steps

- Seperating the features and target variable
- Dividing the data into train and test
- Building model that includes initializing and checking the accuracy of the model.