OPTIMIZING FLIGHT BOOKING DECISIONS THROUGH MACHINE LEARNING PRICE PREDICTIONS

Define problem/problem understanding:

In this milestone , you expected to get started with understanding the problem.

Specify the business problem:

- Peoples who work frequently travel though flight will have better knowledge on best discount and right time to buy the ticket.
- Estimate the highest prices of the airlines data for the route is collected with features such as Duration, Source, Destination, Arrival and Departure.
- Features are taken from chosen dataset and in the price ticket costs vary overtime.
  We have implemented flight price prediction for user by using KNN , decision tree and random forest algorithm.
- Random forest source the best accuracy of 80% for predicting the flight price.

Business Requirements:

- The business requirement for a machine learning model to predict personal loan approval include the ability to accurately predict loan approval based on application information, minimize the number of false positives and false positives and false negatives .

Literature Server:

- As the data is increasing daily due to digitization in the banking sector, people want to apply for loans through the internet.
- Machine learning as a typical method for information investigation, has gotten more consideration increasingly.
- Commonly used features in these studies include, and employment history, sometimes also other feature like age, occupation, and education level.

Social or Business Impact:

Social Impact:-

- Personal loans can stimulate economic growth by providing individuals with these funds they need to make major purchase, start business or invest in their education.

Business model /Impact:-

- Personal loan providers may charge fees for services such as loan origination , processing, and late payment.

Advertising the brand awareness and marketing to reach out to potential borrowers to generate revenue.