Capstone Project 2 Proposal

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For my 1st Springboard Capstone project I will be using the dataset of airline flight prices from *EaseMyTrip.com*. The data can be obtained from *Kaggle.com* and is already cleaned upon extraction.

Problem Statement

Ease My Trip is a website for booking flight tickets across the country of India that makes it easy for customers to compare flight prices to book the flight that is right for them.

Can we use the different features of a collected sample of data from the website to make a predictive model that can predict a continuous target variable?

Questions to answer:

- Can we predict how prices change 1 to 2 days before the departure date?
- How does ticket pricing vary between economy and business class?
- Does ticket pricing depend on departure and arrival time?
- Does the pricing vary among the different airlines?

Stakeholders

There are no business stakeholders for this situation, but we can provide some valuable insights to customers who wish to use the website in the future.

Data Source

There are 11 features in the data and we will build a linear regression model that trains the dataset to predict a target continuous variable. The dataset was collected from a span of 50 days between February 11th to March 31st, 2022 and contains over 300,000 observations. Data source: https://www.kaggle.com/datasets/shubhambathwal/flight-price-prediction