## Regression and Time Series Analysis Project Plan

## Prediction of Used Car Prices using Linear Regression

There has been a rise in the number of people buying used cars rather than new ones in recent years. This is a good option if you move a lot and you are accustomed to buying and selling cars. A proper price will not only help the seller sell the car at the right price, but also help the buyer buy it at the right price. This project aims to predict used car prices based on information from the car price prediction dataset such as production year, car model, number of doors, engine size, mileage, and more. The Dataset was obtained from Kaggle and it has data of more than 19,000 used cars.

We are developing a linear regression model to establish the relationship between car prices and other predictor variables and perform analysis to predict car prices. In order to develop a model based on the extracted raw data, a pre-processing step where data cleaning will be followed by the application of linear regression concepts like Hypothesis testing, Model selection and then train the model and test it to check its accuracy. Based on the accuracy, we will build a linear regression model to predict the prices of used cars.

## Team Members:

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