**UML501 Machine Leaning Project Report**

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BE Third Year, COE

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**CAR PRICE PREDICTION**

I'll work with the [Kaggle](https://www.kaggle.com/avikasliwal/used-cars-price-prediction) dataset about used cars and their prices. The notebook first includes exploration of the dataset followed by prediction of prices.

There are 12 columns in our original dataset

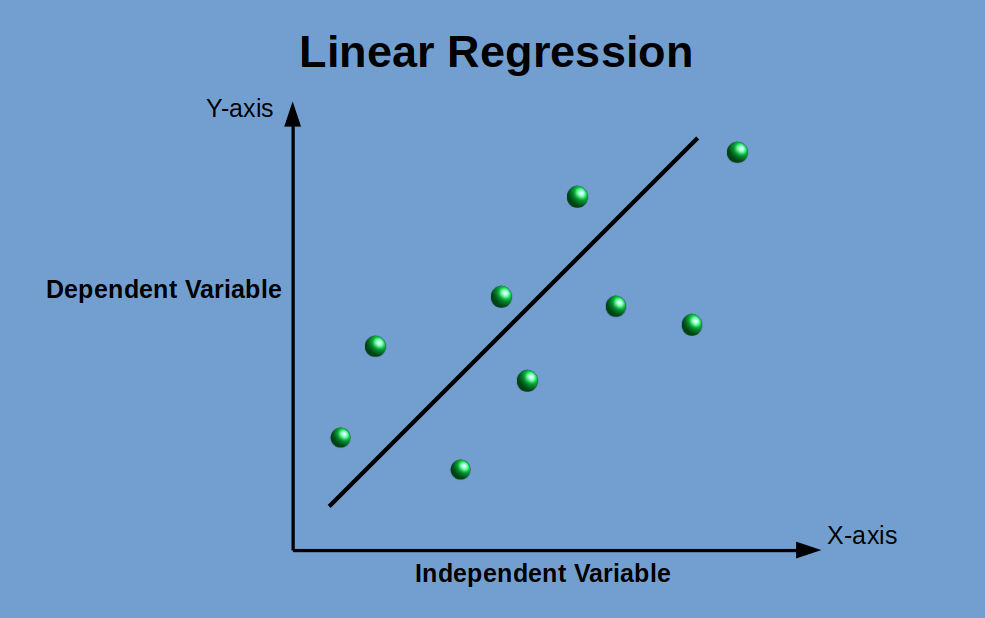
Name  
Location  
Year  
Killometers Driven  
Fuel Type  
Transmission  
Owner Type  
Millage  
Engine  
Power  
Seats  
New Price  
Price

A screenshot of a computer

Description automatically generated

**MEHTODOLOGY AND WORKFLOW**

**We have used Linear Regression to predict the prize of the different car models.**



DATA PRE PROCESSING

From The name Column, we have extracted the manufacturer name of the car which will further help us in predicting the prizes.

A white background with black text

Description automatically generated

A graph of different colored bars

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**FEATURES USED IN PREDICTING**

**We have used 4 features for training and testing.**

**These Include**

* **Manufacturer**
* **Fuel\_Type**
* **Transmission**
* **Owner\_Type**

**A screenshot of a computer

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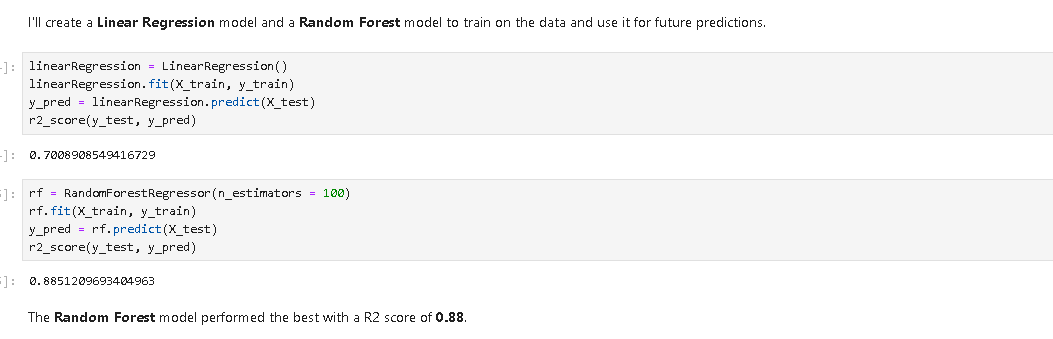
**Scaling – Last part of Data Pre Processing**

**A screenshot of a computer code

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Scaling is done to normalize the large varying numeric values.

**FINAL OUTPUT**



Github Link