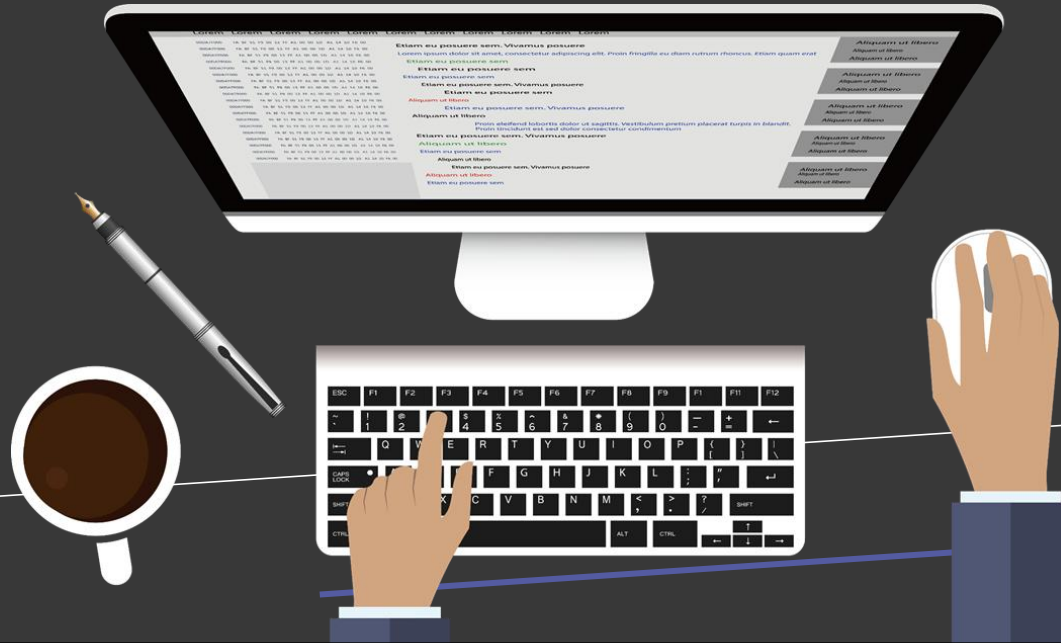


Car Price Prediction Multiple Linear Regression



By : Ahmed Adelmoneim Samer

Business question

**01 Model
predictit car prices**

**02 Understand how the
prices vary with the
independent variables**

**03 Know the perfect
design for cars**

**04 Understand
the pricing dynamics of a new market**

After analysis

To make design :

| | |
|-------------------|-------------------|
| wheelbase | 0.577816 |
| carlength | 0.682920 |
| carwidth | 0.759325 |
| curbweight | 0.835305 |
| enginesize | 0.874145 |
| fuelsystem | 0.526823 |
| boreratio | 0.553173 |
| horsepower | 0.808139 |
| citympg | - 0.685751 |
| highwaympg | - 0.697599 |

▼ data understanding

001 Know unique values

002 Correlation between items

003 Distribution of prices

004 Read about business

Data preparation

No null values

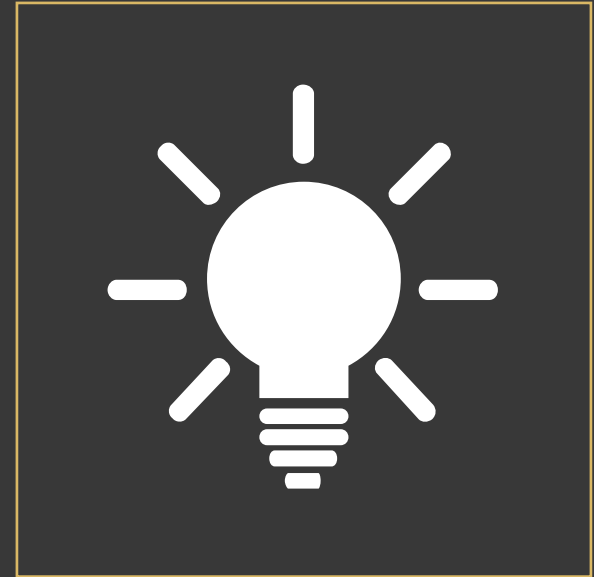
No outliers

Scale data range

Categorical data

MODEL USED

Linear regression model



➤ Evaluation

Train accuracy 83.22 %

Test accuracy 81.93 %



Hint : Unfortunately the exams takes up most of my time so i could finish the task perfectly

THANK YOU
