Car Resale Price Prediction

Overview

The prices of used cars in the industry are fixed by the dealer. Deciding whether a used car is worth the posted/quoted price when you see listings online/offline can be difficult, due to the many factors that drive a used vehicle's price on the market.

Several factors, including mileage, kms driven, make, model, year, transmission etc. can influence the actual worth of a car. XYZ car portal aspires to build a Used Car Valuation Tool that takes all such features into consideration and decides whether the price quoted on a used car of your choice is fair or not.

In this hackathon, we challenge data science enthusiasts to predict the car's resale price using 8 distinguishing features.

Data Dictionary

The dataset contains several car parameters which can be useful for car price prediction.

Train File

CSV containing the car details for whom 'Price' is known.

Variable	Description
S No.	Serial Number of the car
Model	Model of the car
Year	Registration Year
Price	price of the car in £
Transmission	Type of gearbox
KMs_driven	Distance used
FuelType	Engine fuel type
MPG	Miles Per Gallon
EngineSize	Size of the Engine

Test File

CSV containing the car details for whom ‘Price’ is to be predicted.

Variable	**Description**
S No.	Serial Number of the car
Model	Model of the car
Year	Registration Year
Transmission	Type of gearbox
KMs_driven	Distance used
FuelType	Engine fuel type
MPG	Miles Per Gallon
EngineSize	Size of the Engine

Submission File Format

Variable	**Description**
S No.	Serial Number of the car
Price	Predicted Price

Public and Private LeaderBoard

Test file is further divided into Public (25%) and Private (75%).

- Your initial responses will be checked and scored on the Public data.
- The final rankings would be based on your private score which will be published once the competition is over.

Evaluation Criteria

Your model performance will be evaluated on the basis of **Adjusted R-squared**.

Rubrics

Component	Weightage
Data Cleaning and Data Visualization	25%
Model Building and Evaluation	60%
Pipeline and Deployment (Dashboard/Webapp)	15%