

Regression @ Prediction of Selling Price for Used Cars

Goal:

Build & Analyze regression Models for calculating the selling price of used cars based on certain parameters given.

Work with the following Steps:

Business Understanding: Explore & Write short notes on dataset info & Business Problem

Data Understanding: EDA, Visualizations,

Insights on Raw data,

Qualitative and Quantitative analysis (Relation b/w Selling Price to other variables with Visual & Numerical).

Data Preprocessing:

Missing value & Outlier treatment, Numerical and Categorical feature Transformation, Feature selection for modeling.

Data Validation:

Selecting Dependent & Independent variables, and trying cross validation methods /train-test split.

Modeling -> Work on different Regression models.

Algorithms to Try:

- Linear Regression
- L1 & L2
- Polynomial

Scoring Factors: 'R2Score, RMSE'

Compare & Select Best Model

Insights on total analysis at the end.

Notes:

On each step of analysis make sure to write an insight within your IDE.

Dataset Ref: CarDekho