Car Price Project-Regression Model Report

- Import the necessary libraries

- Load the dataset through pandas package

- Do exploratory data analysis

- Check whether dataset has null values or not

- Check whether dataset has duplicated values or not

- Check for unique values for each feature in the dataset

- Check target values for missing values which is replaced by np.nan.

- Drop the unnecessary column & outliers

- Replace the null values by using simple imputer to fill value to its mean value

- Apply ordinal encoder to the categorical features

- Draw boxplot by using seaborn library

- Do feature scaling use standard scaler

- X is assigned as independent variable data and y assigned as dependent variable data

- Split into train and test data(20%)

- Apply different types of Machine learning Algorithm and build regression models

- Tune the parameters of models as required and calculate metrics

  1. R2 score,
  2. Mean squared error
  3. Mean absolute error