

Report

Car Price Project

- Firstly import the necessary libraries
- then load the dataset through pandas library
- then do exploratory data analysis
- we see the data whether it has null values or not
- check how many unique features are there in the data
- then see the target values & found some missing values which is replaced by np.nan.
- drop the unnecessary column & outliers
- after replacing the nan values apply simple imputer to fill value to its mean value
- then apply ordinal encoder to the categorical features
- drop the target column & assign the data a new variable
- draw boxplot by using seaborn library
- after that do feature scaling use standard scaler
- then X assign as independent variable data & y assign as dependent variable data
- then split into train test where I assign 20% data as a test data
- after that apply different types of Machine learning technique
- tune the parameters of models as required
- then see the following metrics:-
 1. R2 score,
 2. Mean squared error,
 3. Mean absolute error