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COE-28

Car Price Prediction

Novelty of Project

1.) Modification of dataset :-

To compute the price more precisely, the dataset has been modified to include a factor for the car's age by calculating the difference of current year and the year in which the car was purchased. Also only the important features were selected and rest were ignored during prediction to increase its accuracy.

2.) Optimization of hyper parameters :-

I used Randomized search CV to tune the hyper parameters for my random forest classifier, and found out that the best accuracy score was achieved by taking n-estimators as 1000, min split as 2, min. samples leaf as 1, max features as sqrt and max depth as 25 respectively. Any further change in the hyper parameters leads to decrease in accuracy.