Release Notes

**Car Prize Prediction**

Car Price prediction

Introduction

The project Car Price Prediction is for computerizing the working in an automobile company.

The software takes care of all the requirements of an average automobile company and is

capable to predict the car prices on various different conditions.

# Compatible Products

This project has been tested on the python Jupyter notebook .

# Upgrades

Model Evaluation is an integral part of the model development process. It helps to find the

best model that represents our data and how well the chosen model will work in the future.

Evaluating model performance with the data used for training is not acceptable in data

science because it can easily generate over optimistic and overfitted models. There are two

methods of evaluating models in data science, Hold-Out and Cross-Validation. To avoid

overfitting, both methods use a test set (not seen by the model) to evaluate model

performance.

We tried the application and received an 90% accuracy on the training dataset and approx.

80% accuracy on the test data. The model looks really quite well trained and can be used for

prediction of car prices based on various parameters.

The other evaluation metrics such as Mean Squared Error, Root Mean Squared Error etc.

were also calculated and we received a marginal error.

MAE: 0.8849978021977988

MSE: 3.9544237722813156

RMSE: 1.9885733007061408

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# New Features

This project is developing machine learning models that can accurately predict the price of a car based on its features, in order to make informed purchases. We implement and evaluate various learning methods on a dataset consisting of the sale prices of different makes and models across cities.

Deciding whether a car is worth the posted price when you see listings online can be difficult. Several factors, including mileage, make, model, year, etc. can influence the actual worth of a car. From the perspective of a seller, it is also a dilemma to price of a car Based on existing data, the aim is to use machine learning algorithms to develop models for predicting car prices.