LITERATURE SURVEY

1.1 TITLE- Car Price Prediction Using Machine Learning

AUTHOR- Ketan Agrahari1 , Ayush Chaubey2 , Mamoor Khan3 , Manas Srivastava4

DESCRIPTION

The demand for used cars has increased significantly in the past decade and it is prognosticated that with Covid-19 outbreak this requirement will augment considerably. Hence to enhance the reliability, with the expansion of the used car market, a model that can forecast the current market price of a used automobile on the basis of a variety of criteria. This analysis can be used to study the trends in the industry, offer better insight into the market, and aid the community in its smooth workflow. The aim of this research paper is to predict the car price as per the data set (previous consumer data like engine capacity, distance traveled, year of manufacture, etc.). The result of these algorithms will be analyzed and based on the efficiency and accuracy of these algorithms, the best one of them can be used for the said purpose.

1.2 TITLE- : Car Price Prediction using Machine Learning

AUTHOR- : Mrs. T Veda Reddy, Y. Praneeth, Y. Sai Kiran, G. Sai Pavan

DESCRIPTION

The price of a new car in the industry is fixed by the manufacturer with some additional costs incurred by the Indian Government in the form of taxes. So, customers buying a brand-new vehicle may be confident of the money they make investments to be worth. But, due to the increased prices of new cars and the financial incapability of the customers to buy them, used Car sales are on a global increase. Therefore, to find the car price which would be best suited for the buyer in India, we are going to predict its cost with the help of Machine Learning algorithms [1] which are made available by the Python Environment such as the Gradient Boosting algorithm. Our dataset comprises data related to different car brands with a set of parameters (Name, Location, Year, Fuel Type, Transmission, Owner Type, Mileage, Engine, Power, Seats, Price). The primary purpose is to design a model for a given dataset and predict the car price with better accuracy.

1.3 TITLE- Vehicle Price Prediction using SVM Techniques

AUTHOR- S.E. Viswapriya, Darbuka Sai Sandeep Sharma, Gandavarapu Sathya Kiran

DESCRIPTION

The prediction of price for a vehicle has been more popular in research area, and it needs predominant effort and information about the experts of this particular field. The number of different attributes is measured and also it has been considerable to predict the result in more reliable and accurate. To find the price of used vehicles a well-defined model has been developed with the help of three machine learning techniques such as Artificial Neural Network, Support Vector Machine and Random Forest. These techniques were used not on the individual items but for the whole group of data items. This data group has been taken from some web portal and that same has been used for the prediction. The data must be collected using web scraper that was written in PHP programming language. Distinct machine learning algorithms of varying performances had been compared to get the best result of the given data set. The final prediction model was integrated into Java application.

1.4 TITLE- Predicting the Price of Used Cars using Machine Learning Techniques

AUTHOR- Sameerchand Pudaruth

DESCRIPTION

A correlation with each attribute to that of target attribute is found and linear regression curve with the target attribute is drawn. As a final step the total error and accuracy is measured. The demand for used cars has increased significantly in the past decade and it is prognosticated that with Covid-19 outbreak this requirement will augment considerably. Hence to enhance the reliability, with the expansion of the used car market, a model that can forecast the current market price of a used automobile on the basis of a variety of criteria. This analysis can be used to study the trends in the industry, offer better insight into the market, and aid the community in its smooth workflow. The aim of this research paper is to predict the car price as per the data set (previous consumer data like engine capacity, distance travelled, year of manufacture, etc.). The result of these algorithms will be analysed and based on the efficiency and accuracy of these algorithms, the best one of them can be used for the said purpose.