

LITERATURE SURVEY

CAR RESALE VALUE PREDICTION

1. Predicting the Price of Used Cars using Machine Learning Techniques

In this paper, they investigate the application of supervised machine learning techniques to predict the price of used cars in Mauritius. The predictions are based on historical data collected from daily newspapers. Different techniques like multiple linear regression analysis, k-nearest neighbours, naïve bayes and decision trees have been used to make the predictions.

2. Car Price Prediction using Machine Learning Techniques

Considerable number of distinct attributes are examined for the reliable and accurate prediction. To build a model for predicting the price of used cars in Bosnia and Herzegovina, they have applied three machine learning techniques (Artificial Neural Network, Support Vector Machine and Random Forest).

3. Price Evaluation model in second hand car system based on BP neural networks.

The price evaluation model based on big data analysis is proposed, which takes advantage of widely circulated vehicle data and a large number of vehicle transaction data to analyze the price data for each type of vehicles by using the optimized BP neural network algorithm. It aims to establish a second-hand car price evaluation model to get the price that best matches the car.

4. Used Cars Price Prediction using Supervised Learning Techniques

The recent advent of online portals has facilitated the need for both the customer and the seller to be better informed about the trends and patterns that determine the value of a used car in the market. Using Machine Learning Algorithms such as Lasso Regression, Multiple Regression and Regression trees, we will try to develop a statistical model which will be able to predict the price of a used car, based on previous consumer data and a given set of features. Comparing the prediction accuracy of these models to determine the optimal one.

5. Price Prediction of Used Cars Using Machine Learning

The data was taken from classified ads for second hand autos. To attain the maximum accuracy, the researchers used a variety of regression approaches, including linear regression, polynomial regression, support vector regression, decision tree regression, and random forest regression. This project visualized the data to better comprehend the dataset before starting the model-building process. To assure the regression's performance, the dataset was partitioned and changed to fit the regression. R-square was used to evaluate the performance of each regression. The final model contains more elements of used autos than earlier research while also having a higher forecast accuracy.