Car Resale Value Prediction

Literature Review:

1) Second-hand car price prediction based on mixed-weighted regression model

Methodology:
In this paper, first making feature engineering, which includes data preprocessing and feature screening. Data preprocessing includes data cleaning and data transformation to increase data quality. Feature screening includes correlation analysis and feature extraction based on lightMBG and the screened features provide the basis for model building, training and prediction.

2)Price evaluation model in second-hand car system based on BP neural network theory

Methodology:
In this paper, 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 by using optimized BP neural network algorithm. The optimized BP neural network algorithm is used to select the optimal number of hidden neurons in the BP network, which improves

the convergence speed of network topology and accuracy of the prediction model.

3)Used car price prediction using supervised learning technique

Methodology:
In this paper, 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.

4)Neural Model for residual value prediction of the used car based on BP neural network and non linear curve fit

Methodology:
This paper proposes a model that is built using ANN for the price prediction of a used car.Several attributes like :kilometres passed ,estimated car life and brand are considered. The proposed model was built so it could deal with non linear relations in data which was not the case with previous models that were utilising the simple linear regression techniques. The non-linear model was able to predict prices of cars with better precision than other linear models.

References:

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