

S.NO	TITLE	JOURNAL	AUTHOR	CHALLENGES/FUTURE SCOPE
1	USED CAR PRICE PREDICTION	IRJET	PRAFUL RANA, DEEP PANDIYA, DHAWAL KOTAK	In future this machine learning model may bind with various website which can provide real time data for price prediction. Also we may add large historical data of car price which can help to improve accuracy of the machine learning model. We can build an android app as user interface for interacting with user. For better performance, we plan to judiciously design deep learning network structures, use adaptive learning rates and train on clusters of data rather than the whole dataset.
2	USED CAR PRICE PREDICTION AND LIFE SPAN	IARJSET	Aditya Nikhade , Rohan Borde	This Project In machine learning model that will be connected with may dataset and with various website which can provide real time data for price prediction Will Stored in their site or GitHub. Also, we may add big amount of data of car price which can help an improve accuracy of the machine learning model . We also trying to develop an android app as user interface for interacting and user friendly with user. For better performance of the model, we also plan a to use neural network.

3	VEHICLE RESALE PRICE PREDICTION USING MACHINE LEARNING	Juni Khyat (UGC Care Group I Listed urnal)	B.Lavanya, Sk.Reshma, N.Nikitha, M.Namitha, L.Kanya Kumar, S.Kishore Babu,	In this paper, four distinctive AI procedures have been utilized to figure the cost of pre-owned vehicles in Mauritius. The mean blunder with direct relapse was about Rs 51,000 while for kNN it was about Rs 27,000 for Nissan vehicles and about Rs 45,000 for Toyota vehicles. J48 and Naïve Bayes exactness hung between 60-70% for various blends of boundaries. The primary shortcoming of choice trees and credulous bayes is their powerlessness to deal with yield
				classes with numeric qualities. Consequently, the value quality must be ordered into classes which contained a scope of costs yet this clearly presented further justification for errors. The primary limit of this examination is the low number of records that have been utilized. As future work, we plan to gather more information and to utilizes further developed methods like counterfeit neural organizations, fluffy logic and hereditary calculations to foresee vehicle costs
4	Predicting Used Car Prices	CS 229 Project Report	Kshitij Kumbar, Pranav Gadre and Varun Nayak	For better performance, we plan to judiciously design deep learning network structures, use adaptive learning rates and train on clusters of data rather than the whole dataset. To correct for overfitting in Random Forest, different selections of features and number of trees will be tested to check for change in performance.

5	Used Cars Price Prediction using Supervised Learning Techniques	International Journal of Engineering and Advanced Technology	Mukkesh Ganesh	<p>The prediction error rate of all the models was well under the accepted 5% of error. But, on further analysis, the mean error of the regression tree model was found to be more than the mean error rate of the multiple regression and lasso regression models. Even though for some seeds the regression tree has better accuracy, its error rates are higher for the rest. This has been confirmed by performing an ANOVA. Also, the post-hoc test revealed that the error rates in multiple regression models and lasso regression models aren't significantly different from each other. To get even more accurate models, we can also choose more advanced machine learning</p>
				<p>algorithms such as random forests, an ensemble learning algorithm which creates multiple decision/regression trees, which brings down overfitting massively or Boosting, which tries to bias the overall model by weighing in the favor of good performers. More data from newer websites and different countries can also be scraped and this data can be used to retrain these models to check for reproducibility.</p>

6	PREDICTIVE ANALYSIS OF USED CAR PRICES USING MACHINE LEARNING	International Research Journal of Modernization in Engineering Technology and Science	Ashutosh Datt Sharma ,Vibhor Sharma,Sahil Mittal,Gautam Jain,Sudha Narang	<p>Predicting prices of a used car is a challenging task because of a high number of features and parameters that should be considered to generate accurate results. The first and foremost step is data gathering and preprocessing data. Then a model was defined and created for implementing algorithms and generating results. After applying various regression algorithms on the model, it could be concluded that Decision Tree Algorithm was the best performer with highest r^2 score of 0.95 which simply signified the fact that it generated the most accurate predictions as reflected by the Original v/s Prediction line graph. Apart from a best r^2 score, Decision Tree also had the least Mean Squared Error and Root Mean Squared Values that shows that the errors in predictions were least among all and therefore the results generated are highly accurate.</p>
7	Price Prediction for Used Cars	Mid Sweden University.	Marcus Collard	<p>the best potential for development of a consumer tool for evaluating used cars or a particular subset of used cars. The results show that Random Forest Regression performed the best on all performance metrics</p>
				<p>and for all price percentile subsets of used cars. It was also much better able to approximate the depreciation.</p>

8	Car Price Prediction using Machine Learning Techniques	TEM Journal. Volume 8	Enis Gegic, Becir Isakovic, Dino Keco, Zerina Masetic, Jasmin Kevric	Car price prediction can be a challenging task due to the high number of attributes that should be considered for the accurate prediction. The major step in the prediction process is collection and preprocessing of the data. In this research, PHP scripts were built to normalize, standardize and clean data to avoid unnecessary noise for machine learning algorithms.
9	Used Cars Price Prediction and Valuation using Data Mining Techniques	Rochester Institute of Technology	Abdulla AlShared	Using data mining and machine learning approaches, this project proposed a scalable framework for Dubai based used cars price prediction. Buyanycar.com website was scraped using the Parse Hub scraping tool to collect the benchmark data. An efficient machine learning model is built by training, testing, and evaluating three machine learning regressors named Random Forest Regressor, Linear Regression, and Bagging Regressor. As a result of preprocessing and transformation, Random Forest Regressor came out on top with 95% accuracy followed by Bagging Regressor with 88%. Each experiment was performed in real-time within the Google Colab environment. In comparison to the system's integrated Jupyter notebook and Anaconda's platform, algorithms took less training time in Google Colab.
10	Consumer preferences for electric vehicles: a	Transport Reviews	Fanchao Liao, Eric Molin , Bert van Wee	In general, the effect of individual-specific variables on EV preference remains an open question. Psychological variables are the exception and have a

	literature review			<p>proven stable effect, shown by several studies. For socioeconomic and demographic variables, the impact is unclear and sensitive to small changes in model specification. The direction of the effect is also ambiguous since existing evidence is contradictory. Other variables are only included in a few studies, therefore their effects are as yet inconclusive. In most cases, the correlation between all these variables has not been controlled for to avoid self-selection bias. More research is definitely necessary to clarify these currently fuzzy relationships and other methods are needed to add more rigor and confidence to the results.</p>
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