ABSTRACT

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IMPLEMENTATION OF LINEAR REGRESSION ALGORITHM IN MACHINE LEARNING FOR HOUSE PRICE PREDICTION.
Thesis, Department of Informatics Engineering, Faculty of Industrial Technology, Gunadarma University, 2021.

Keywords: house prices, Linear Regression, Machine Learning, prediction
(viii + 35 + attachment)

A house or a place to live is a basic human need that must be met in addition to clothing and food, along with the times that coincide with the development of the human population which has implications for the growing need for housing. One method to predict house prices is to use Machine Learning. Machine Learning aims to build algorithms capable of applying statistical analysis to the received input to predict some output, along with the ability to update the output when new data isavailable to it. Machine learning techniques can be broadly categorized as follows: Supervised Learning, Unsupervised, Reinforcement Learning. With machine learning, you can determine house prices by using the right Supervised Learning techniques to make predictions. Prediction is one of the most important statistical elements in decision making. Linear regression is a model building technique used to predict the value of the given input data and statistical measures used to determine the strength of the relationship between the dependent variable and the independent variable. Price prediction was successfully carried out on the "House Price.xlsx" data using a linear regression algorithm, with a data ratio of 80:20 on training data and test data. These results resulted in an accuracy value of 71%.

Bibliography(2000-2020)