Predicting The Housing Price using Artificial Intelligence/ Machine Learning

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Abstract: *Data mining is now commonly used in the real estate market. The ability of data mining to extract relevant information from raw data makes it very useful to predict house prices, key housing features, and much more. Research has shown that fluctuations in housing prices often affect homeowners and the housing market. Literature research is done to analyze the relevant factors and the most effective models for predicting housing prices. The findings of this analysis confirmed the use of Artificial Neural Network, Support Vector Regression and XGBoost as the most efficient models compared to others. In addition, our findings also suggest that spatial and real estate agents are key factors in predicting house prices. This research will be of great benefit, especially to housing developers and researchers, to find the most important clues for determining housing prices and to identify the best machine learning model that will be used to conduct research in this field.*

Keywords: House Price Prediction, Machine Learning Model, Support Vector Regression, Artificial Neural Network, XGBoost

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