House Price Prediction based on ML using Regression Techniques

Archit Sisodia
B. Tech Student, Department of Information Technology
Dronacharya College of Engineering, Gurgram, Haryana, India

Abstract: *Guessing models for determining the sale price of houses in cities like Bengaluru still serve as a challenging and deceptive task. The retail price of buildings in cities such as Bengaluru depends on the number of other items. Important factors that may affect the price include the location, location and location of its facilities. In this research project, analytical research was conducted by considering a data set that is always open to the public by displaying available housing structures in the form of a machine hackathon platform. The data set has nine features. In this study, an effort has been made to develop a predictive model for price analysis based on price factors. Modeling tests use some retraction techniques such as multi-line retrieval (Small Squares), Lasso and Ridge retrieval models, vector retrieval, and reinforcing algorithms such as Extreme Gradient Boost Regression (XG Boost). Such models are used to create a predictive model and to select the most efficient model by performing comparative analysis and predictor errors found between these models. Here, the effort is to build a pricing model for price analysis based on price factors.*

Keywords: House Price, Lasso Regression, Ridge Regression, Retrieve Options

REFERENCES

[1]. H.L. Harter, Small Square Method, and Alternative-Part II.International Static Review.1972,43 (2), pp. 125-190.
[2]. J. Clerk Maxwell, A Treatise on Electricity and Magnetism, 3rd ed., Vol. 2. Oxford: Clarendon, 1892, pp. 68-73.
[3]. Lu. Sifei et al, A mixed remodeling method that predicts house prices. In the run-up to the IEEE Conference on Industrial Engineering and Engineering Management: 2017.
[4]. R. Victor, Machine Learning Project: Predicting Boston Housing Predictions with a Dropdown in Data Science.
[5]. S. Neelam, G. Kiran, Estimating house prices using forecasting techniques, Internal Journal of Advances in Electronics and Computer Science: 2018, vol 5, issue-6.
[6]. S. Abhishek.:Ridge regression vs Lasso, Method these are two popular methods of ML regression that work. Analytics India Magazine, 2018.
[7]. S.Raheel. Regarding data science, 2018.
[8]. Raj, J. S., & Ananthi, J. V. (2019). Common Neural Networks and Indirect Predictions in Vector Support Machines. Journal of Soft Computing Paradigm (JSCP), 1 (01), 33-40.
[9]. Predicting Housing Prices in Bengaluru (Machine Hackathon) https://www.machinehack.com/course/predicting-house-prices-in-bengaluru/
[10]. Raj, J. S., & Ananthi, J. V. (2019). General neural networks and indirect predictions on vector support systems. Journal of Soft Computing Paradigm (JSCP), 1 (01), 33-40.
[11]. Pow, Nissan, Emil Janulewicz, and L. Liu (2014). Applied Machine Learning Project 4 Predicting Real Estate Prices for Montréal.
[12]. [12] Wu, Jiao Yang (2017). Predicting Housing Prices Using Vector rEGRESSION Support.