

Real Estate Price Prediction using Machine Learning

Abstract

The system predicts real estate prices using machine learning models that analyze factors such as location, property features, market trends, and economic indicators, offering valuable insights for buyers, sellers, and investors.

Real Estate Prediction focuses on the development of methods that use machine learning algorithms to accurately predict house prices. Random Forest and Gradient Boosting algorithms have lower mean square error (MSE) and are chosen as the best algorithms for predicting house price. Random forest algorithms handle relationships and provide reliable predictions. Gradient boosting algorithm is used to process large amounts of data to make accurate predictions. Ensemble combines all these individual predictions to produce a final and more accurate prediction. The house information in the dataset also helps improve the estimated house price. This system will help people in the real estate market to make more informed decisions when buying or selling a house.