

House Price Prediction Using Linear Regression

Introduction

This project focuses on predicting house prices using machine learning techniques. Linear Regression is used to estimate house prices based on features such as area, number of bedrooms, and location.

Objectives

- Understand supervised machine learning concepts
- Build a Linear Regression model
- Predict house prices accurately

Tools & Technologies

- Python
- Pandas
- Scikit-learn

Dataset Description

The dataset includes area, bedrooms, location, and price columns. The price column is the target variable.

Algorithm Used

Linear Regression models the relationship between independent variables and the target variable using a linear equation.

Conclusion

This project demonstrates a simple and effective way to apply machine learning for real-world house price prediction problems.