

Case Study: House Price Prediction

Business Objective: Perform a predictive regression analysis on the provided **House_Price_Data** in R-studio to arrive at the final model from where significant variables can be summarized which play a vital role in determining the purchasing price of the house. The objective here is to help customers optimize their purchase of houses.

Variable Description:

This meaning of the variables of this data-set are explained below.

<i>Taxi_dist</i>	The distance of the nearest taxi stand from the house (in metres).
<i>Market_dist</i>	The distance of the nearest market area from the house (in metres).
<i>Hospital_dist</i>	The distance of the nearest hospital from the house (in metres).
<i>Carpet_area</i>	The area inside of the house. The one within house walls (in square meters).
<i>Builtup_area</i>	The entire built-up area of the house, including walls (in square meters).
<i>Parking_type</i>	The type of parking slot provided with the house (Covered/No parking/Not provided/Open).
<i>City_type</i>	The type of city where the house is located (CAT A/CAT B/CAT C).
<i>Rainfall</i>	The amount of rainfall received in the area (in mm).
<i>Price_house</i>	The purchase price of the house (in rupees).