

CASE STUDY-HOUSE PRICING LINEAR REGRESSION



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SUMMARY

We have data of sales of house in some area. For each house we have complete information about its Size, Price, Number of Bedrooms, Number of Bathrooms, whether it is made of bricks, Neighbourhood.

Objective of this case study is to check which factors are effecting house price.

DATA AVAILABLE

➤ House_Prices.csv

DATA DICTIONARY

VARIABLES	DESCRIPTION
Home	Home number(Identity)
Price	Retail price of home
SqFt	Square feet(area)
Bedrooms	Number of Bedrooms
Bathrooms	Number of Bathrooms
Offers	
Bricks	Made of Bricks- 0<- No 1<- Yes
Neighbourhood	neighbourhood

EXPECTATION FROM TRAINEE

- Do an exploratory data analysis to identify the initial patterns in this data i.e. identification of outliers, missing values, univariate, and bivariate patterns.
- Check multicollinearity among independent variables.
- Use OLS Regression to see price predictors.
- Does performance check using decile analysis and lift charts.