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Aim:Create advanced charts using Power BI / Tableau / R / Python / D3.js on the dataset - Housing data.

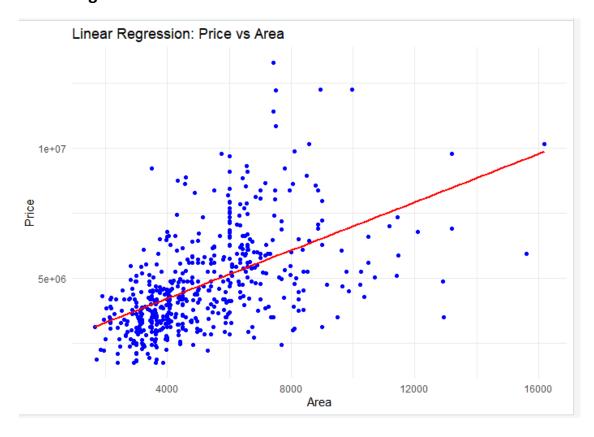
Description:

Dataset used is Housing Dataset available at

https://www.kaggle.com/datasets/ashydv/housing-dataset

Graphs and Observations:

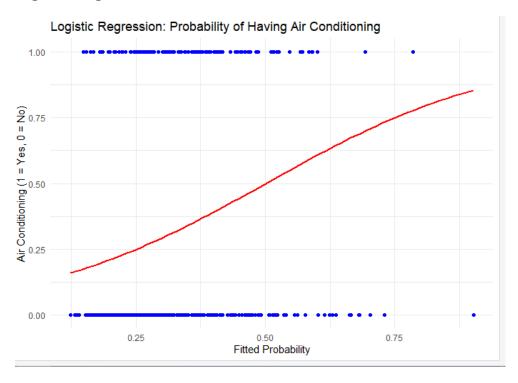
Linear Regression:



Observation:

The red line (regression line) has a positive slope, indicating that as the area of a house increases, the price also tends to increase. There is some variability around the line, indicating that other factors might also influence the price.

Logistic Regression:



Observation: The curve shows that both area and bedrooms are significant predictors of having air conditioning. The positive coefficients indicate that as area and bedrooms increase, the probability of having air conditioning also increases.

Conclusion:

From this experiment, we learned about regression by analyzing logistic and linear models. Logistic regression showed that area and number of bedrooms significantly affect the likelihood of having air conditioning. Linear regression taught us to predict continuous outcomes, like house prices. These insights improved our understanding of interpreting relationships between predictors and outcomes in statistics.