Multiple Linear Regression
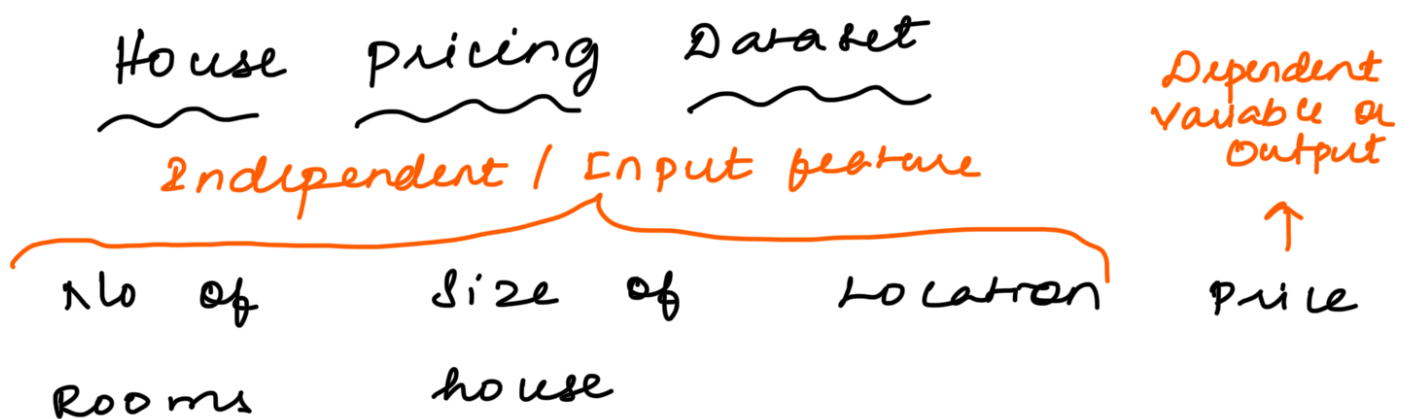
This will be used when there are two or more Independent variable or two or more Input feature.

Example:

House pricing Dataset

Indipendent / Input feature

| No of Rooms | Size of house | Location | Price |

Dependent variable or Output
↑
Price

$$h_\theta(x) = \theta_0 + \theta_1 x_1 + \theta_2 x_2 + \theta_3 x_3$$

↓

Multiple Linear regression

$\theta_1, \theta_2, \theta_3 =$ coefficient

θ_0 : Intercept

$J(\theta)$

θ_1 θ_2 θ_3

θ_0

Global Minima

θ_1