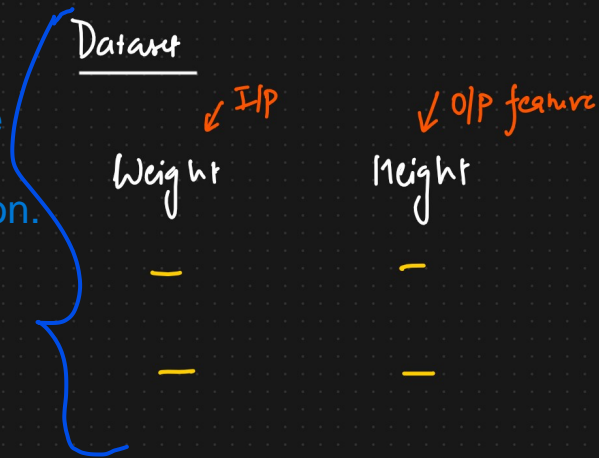


Multiple Linear Regression: There are multiple independent input features.

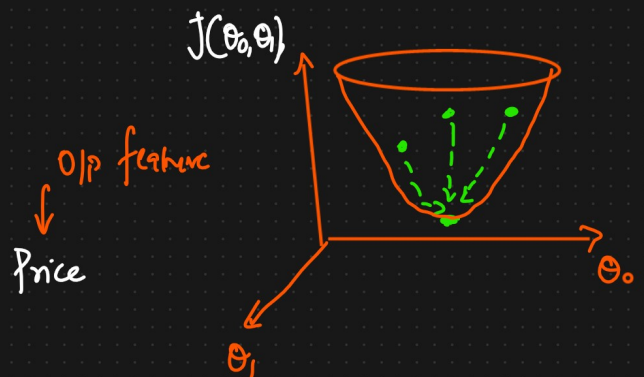
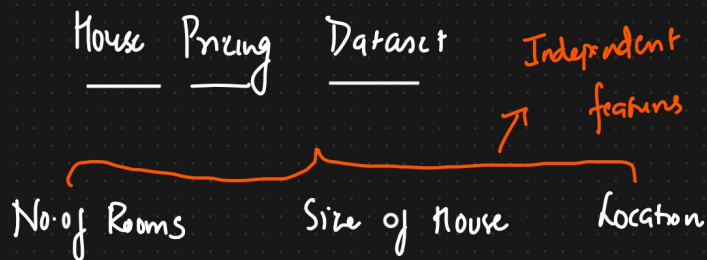
In simple linear regression.



$$h_0(x) = \theta_0 + \theta_1 x \quad \swarrow \text{I/P or Independent}$$

θ_0 = Intercept

θ_1 = Slope



$$h_0(x) = \theta_0 + \theta_1 x_1 + \theta_2 x_2 + \theta_3 x_3 \quad \left\{ \begin{array}{l} \text{Multiple Linear} \\ \text{Regression} \end{array} \right.$$

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

θ_0 = Intercept