BOSTON HOUSING PRICE PREDICTION



Dataset is given Dith multiple features.

Now we need to proedict the price of house.

New will use Linear Regression for multiple features.

Let's onte sense important formula for Lik for multiple features.

1. Hypothesis :-

$$ho(r) = \begin{bmatrix} 0_0 & 0_1 & 0_2 & ... & 0_n \end{bmatrix} \begin{bmatrix} x_0 \\ x_1 \\ \vdots \\ x_n \end{bmatrix}$$

Loss finetion o-

$$J(0) = \frac{1}{m} \int_{i=1}^{\infty} (y - \hat{y})^2$$

$$= \frac{1}{m} \int_{i=1}^{\infty} (y - h_0(x^{(i)}))^2$$

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$$\frac{3500}{300} = \sum_{i=1}^{m} \left(\hat{y}^{(i)}, y^{(i)}\right). \chi_{i}^{(i)}$$

final Gradient updale.

$$O_j^2 = O_j^2 - 7 \sum_{i=1}^{m} (\hat{y}^{(i)} - y^{(i)}) \chi_j^{(i)}$$

for all value of j

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Note: Here above fromhes used for the boston having proce predictions