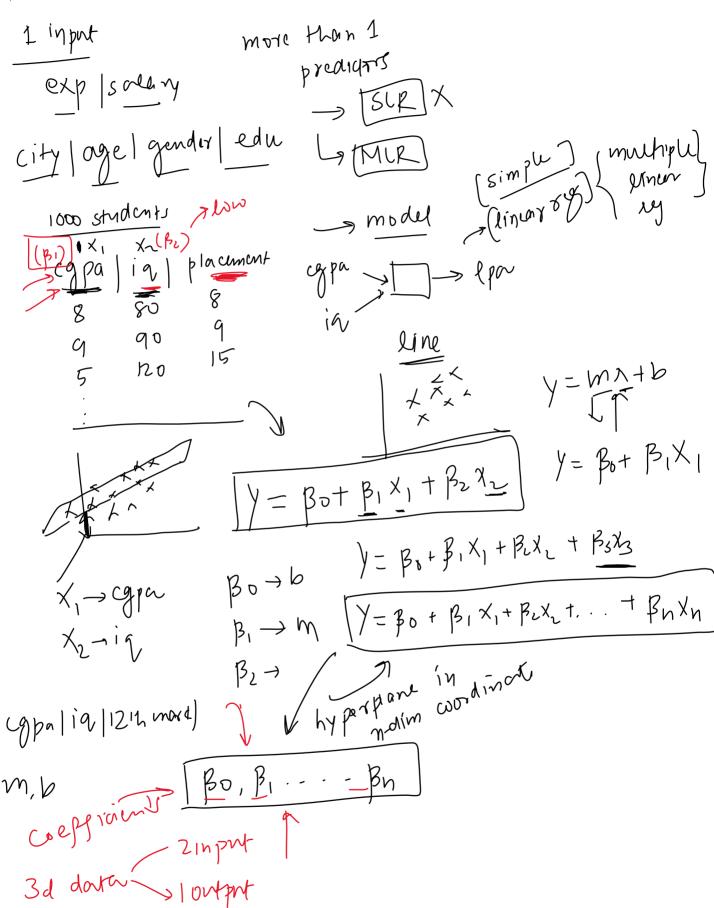
Multiple Linear Regression

What is Multiple Linear Regression

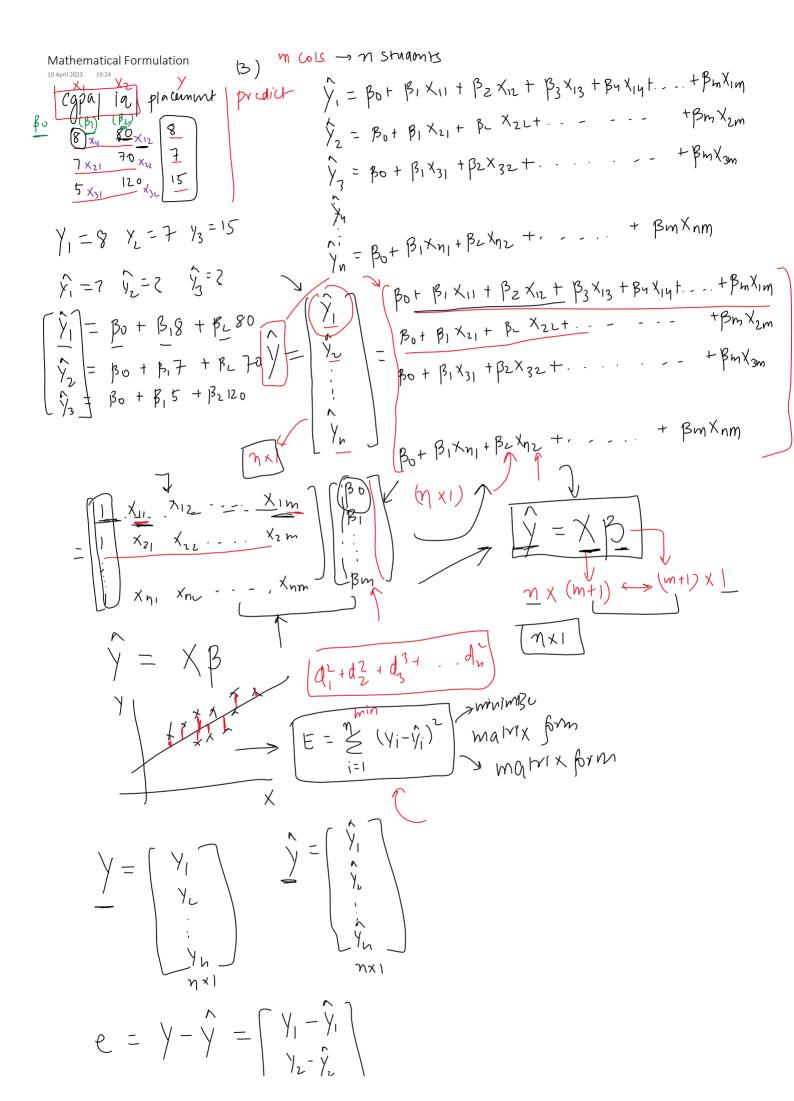
19 April 2023 19:24



Python Code

19 April 2023

19:24



$$e = y - y = \begin{bmatrix} y_1 - \hat{y}_1 \\ y_2 - \hat{y}_1 \end{bmatrix} n_{X_1}$$

$$e = \begin{bmatrix} y_1 - \hat{y}_1 \\ y_2 - \hat{y}_2 \end{bmatrix} n_{X_2} + \dots + (y_n - \hat{y}_n) \end{bmatrix}_{ten} \begin{bmatrix} y_1 - \hat{y}_1 \\ y_2 - \hat{y}_2 \end{bmatrix} = \frac{1}{x_1 - \hat{y}_2}$$

$$e = \underbrace{(y_1 - \hat{y}_1)^2 + (y_2 - \hat{y}_2)^2 + \dots + (y_n - \hat{y}_n)^2}_{ten} \begin{bmatrix} y_1 - \hat{y}_1 \\ y_2 - \hat{y}_2 \end{bmatrix} n_{X_1}$$

$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_2 - \hat{y}_2)^2 + \dots + (y_n - \hat{y}_n)^2}_{ten} \begin{bmatrix} y_1 - \hat{y}_1 \\ y_2 - \hat{y}_1 \end{bmatrix} n_{X_1}$$

$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_2 - \hat{y}_1)^2 + y_1}_{ten} n_{X_1}$$

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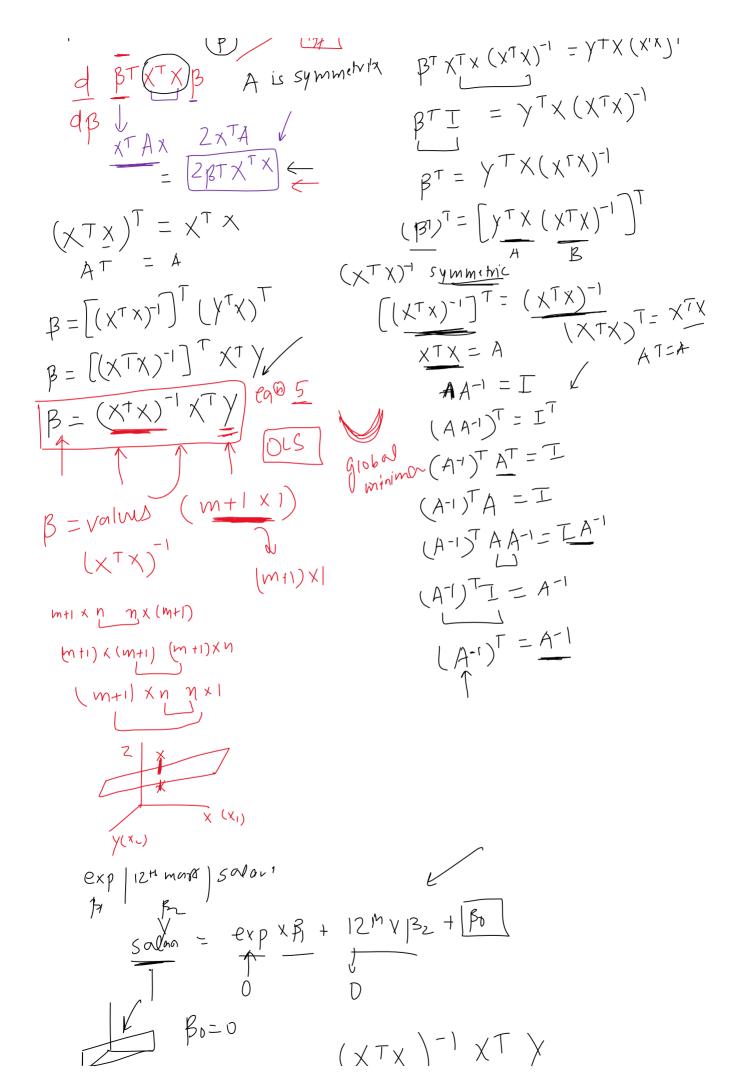
$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_1 - \hat{y}_1)^2 + y_1}_{ten} n_{X_1}$$

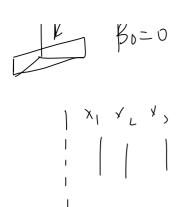
$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_1 - \hat{y}_1)^2 + y_1}_{ten} n_{X_1}$$

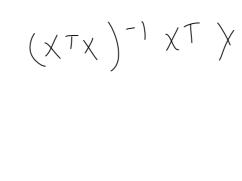
$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_1 - \hat{y}_1)^2 + y_1}_{ten} n_{X_1}$$

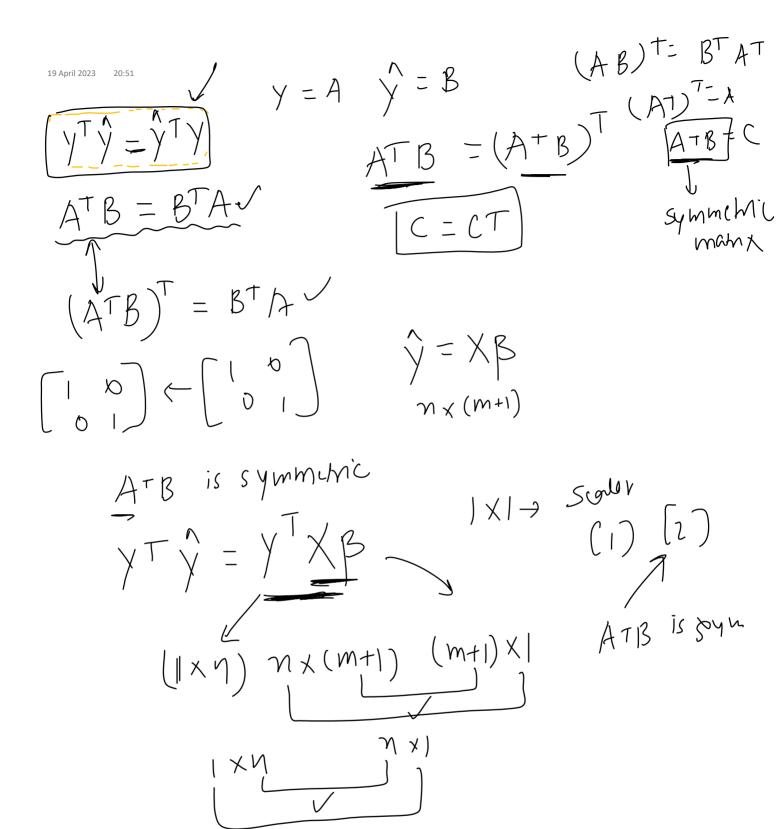
$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_1 - \hat{y}_1)^2 + y_1}_{ten} n_{X_1}$$

$$= \underbrace{(y_1 - \hat{y}_1)^2 + (y_1 - \hat{y}$$









Code From Scratch

19 April 2023

