Polynomoel mr ×

a eyression Martiple X1 X2 X3 / __eapa io, gender Lpa

Simple Regression 3D-Plane GGPO 01

Corpor

20 - Lime 30 - Plane 40 - hyperph

Y=mx+b-> of-1set in+cr(cept x) Capoli $(-) + \beta_0 + \beta_1 + \beta_2 \times 2$ $= \beta_0 + \beta_1 \chi_1 + \beta_2 \chi_2 + \beta_3 \chi_3^2$ No of Cofficient 4D $mD = 1 = \beta_0 + \frac{\sum_{i=1}^{n} \beta_i \chi_{ii}}{\sum_{i=1}^{n} \beta_i \chi_{ii}}$

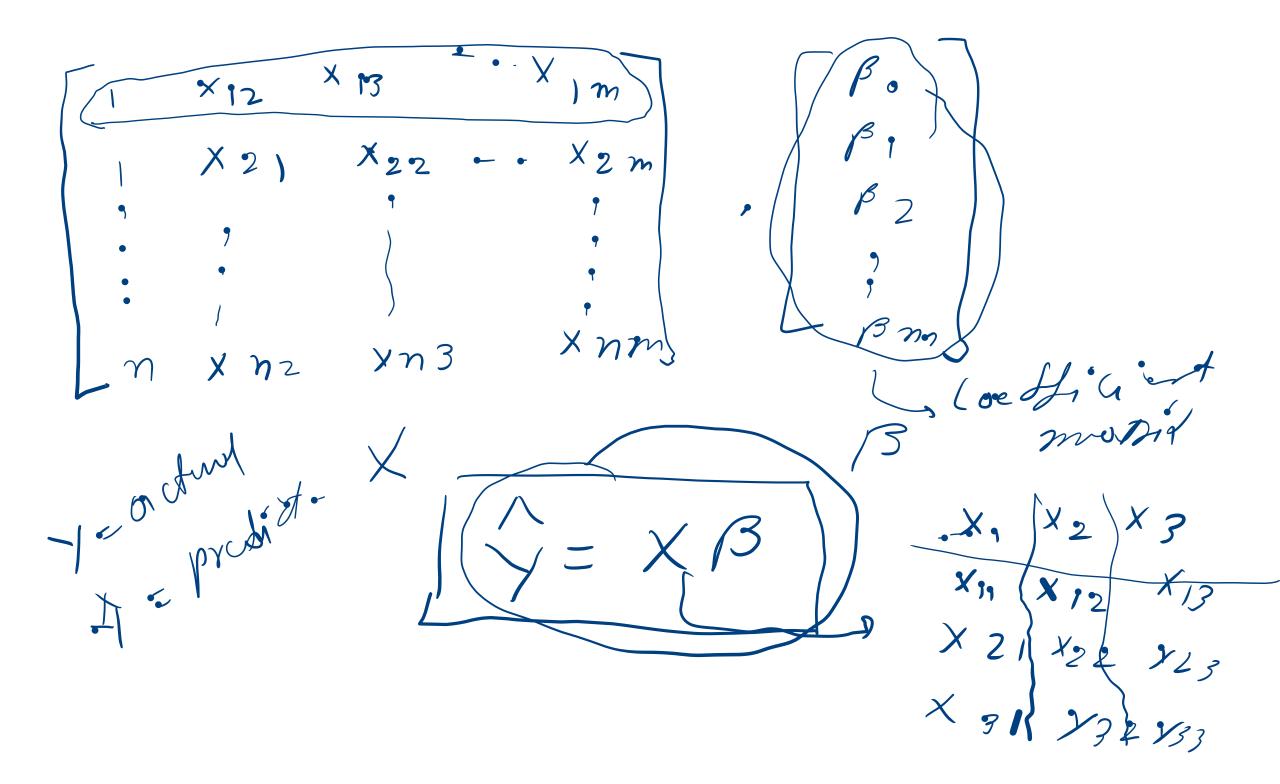
2D
$$\rightarrow y = m \times + b$$

 $y = \beta_0 + \beta_1 \times 1 + \beta_2 \times 2$
3D $y = \beta_0 + \beta_1 \times 1 + \beta_2 \times 2 + \beta_3 \times 3$
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CAPOIL Lune (0% B, X,+ B>x. 3 D

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100 student Shape (100,50mple) /=) extend Shape $\frac{1}{\sqrt{z}} = \beta_0 + \beta_1 \times 1 + \beta_2 \times 2 + \beta_3 \times 3$ $[\beta_0, \beta_2, \beta_3]$ Capa 19 genl/2/20



notwel (1)

pred: 1/2

pred: 1/n $e = \frac{y - \hat{y}}{y_2 - \hat{y}_2}$ $e = \begin{bmatrix} \frac{y_1}{y_2} \\ \frac{y_2}{y_n} \end{bmatrix}$ $e = \begin{bmatrix} \frac{y_1}{y_2} \\ \frac{y_2}{y_n} \end{bmatrix}$ Single liver rey ressim 巨= 三(リー)

ここう(ツーグ) $(y_1-y_1)^2+(y_2-y_2)^2+(y_3-y_3)^2-(y_1-y_1)^2$ $E=\frac{2}{12}(y_1-y_1)^2$