

-s University fram -s Whote heaving Lo I SI so Whatever you learn will be when Ly grestimonaire / Answers Parametres habels Superiscol Lenning => Training & Trusting Train Suprairiel

UPSC/4ATE/CAT -s Lyical Lo B something but difflyes Lo guestion -solve Lo god clim -1, Vrupuvitel hening

Vasyuvini Shin Fist

Repression Classification Repression Continuors Disente Values Princhie Nontramitie Jinen ly LDA Random First K-Neighbors => RE4RETS(10N) Linear Repression => Parametric Penametric

=s Studying For Toot = One Method (Traceable) = 3 hifting Weights = Many Methods (Non-Trecenbla) = 3 hinen Repression: (Supervised & Premetice) y=mx+5

Intercent

Prediction $\hat{y} = R_0 + R_1 \cdot x_1 = 3$ Pure ML $y = a + b \cdot x = 3$ Interest

Dependent

Variable

Variable =) Representation formula $y' = \beta + \beta \cdot x + 5$ Error Interest = 5 - Bix I 2 $\int_{0}^{\infty} p^{2} = \int_{0}^{\infty} \frac{\left(x_{i} - \overline{x}\right) \cdot \left(y_{i} - \overline{y}\right)}{\sum_{i=1}^{\infty} \left(x_{i} - \overline{x}\right)^{2}} = \frac{SSXY}{SSX}$ => Predict wight of the pason based or their height. (176 cms) Heights Whights (21-2) (yi-y) (21-2) (n;-1)(yi-y)

160 72 -5.4 -4.8 88.36 45.12

171 76 1.6 -0.8 2.56 -1.28

$$\begin{cases}
171 & 72 & 116 & -81 & 2.56 & -128 \\
182 & 77 & 12.6 & 0.2 & 157.76 & 2.52 \\
180 & 154 & -6.4 & -6.8 & 12.34 & 65.72 \\
154 & 76 & -15.4 & -6.8 & 127.4 & 12.32 \\
\hline
$x = |63.4 & $\overline{y} = 74.8 & 5(x_1 - 1) = 0 & 5 = 0 & 5 = 533.2 & 5 = 124.4
\end{cases}$$

$$\beta_1 = \begin{cases} \frac{5}{16} \left(x_1 - \overline{x} \right)^{\frac{1}{2}} & = & \frac{124.4}{573.2} \\ \frac{5}{161} \left(x_1 - \overline{x} \right)^{\frac{1}{2}} & = & \frac{124.4}{573.2} \\ = & 74.8 - \left(0.2074 \times 16.3 \right)^{\frac{1}{2}} \\ \end{cases}$$

$$\beta_2 = \begin{cases} \frac{1}{4} \cdot 63 \\ = \end{cases} \qquad \beta_1 \cdot \overline{x}$$

$$\beta_3 = \begin{cases} \frac{1}{4} \cdot 63 \\ = \end{cases} \qquad \beta_1 \cdot \overline{x}$$

$$\beta_4 = \begin{cases} \frac{1}{4} \cdot 63 \\ = \end{cases} \qquad \beta_1 \cdot \frac{1}{4}$$

$$\beta_1 = \begin{cases} \frac{1}{4} \cdot 63 \\ = \end{cases} \qquad \beta_1 \cdot \frac{1}{4} \qquad \beta_2 \cdot \frac{1}{4} \qquad \beta_3 \cdot \frac{1}{4} \qquad \beta_4 \cdot \frac$$

9 = 78.14 Multi-Linear Repression (Multi-Linear Repression) Least Syraes Estimate => Multiple - Parameters $= \underbrace{\left(x^{\mathsf{T}} \times \right)^{\mathsf{T}} \cdot x^{\mathsf{T}}}_{} \cdot y$ hod Salas 2 Wasty Siles =) Adding Arbitrary Bia. 1 2 5

$$\frac{3\lambda h}{\beta} = \frac{4x}{3}$$

$$= \frac{-1.7}{3.486}$$

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$$\frac{3\lambda h}{$$