LR - CO6 - 2024-09-02 - Analyze the data to perform linear regression

02 September 2024 09:18

Simple Linear Regression;

where a is intercept & 6 is slope fline n is independent of y is dependent.

-> Leist Squares Estimation:

Approximation is some by $j_1' = a + b^2$

Exact representation

y = a + bil + error

$$\frac{1}{2} = \frac{\sum_{i=1}^{2} (x_i - i\overline{x})}{\sum_{i=1}^{2} (x_i - i\overline{x})^2} = \frac{SSXY}{SSX}$$

CSDLO5011 Page 1

-12.7333

181.3511

171.475-6

-13.4467

$$\frac{1}{h} = \frac{31.4667}{51.4667} = \frac{5.72}{5.72}$$

$$= \frac{5.72}{5.5}$$

$$= \frac{5.72}{5.5}$$

$$= \frac{5.72}{5.733} = \frac{5.72}{5.733} = \frac{5.727}{5.773}$$

$$\frac{1}{6.71.733} = \frac{5.727}{5.723} = \frac{5.727}{5.723}$$

$$\frac{1}{6.71.733} = \frac{5.727}{5.723} = \frac{5.727}{5.723} \times \frac{31.4627}{5.723}$$

$$= -\frac{24.703}{5.5}$$

$$= \frac{13.18}{5.5}$$

->
$$\frac{2}{5}(y_1-y_2)^2$$
 -> $\int_{1=1}^{\infty} (y_1-y_2)^2$ -> $\int_{1=1}^{\infty} (y_1$