

Parents Coefficients
R = 5xy - 2399.8 +5 3 314.375,1.
Regression coefficients: \$\begin{align*} \text{Regression coefficients:} \\ \begin{align*} \text{399.875} \\ \begin{align*} \text{314.375} \\ \text{34.875} \\ \text{34.875} \\ \text{34.875} \\ \text{34.875} \\ \text{35.11.355} \\ \text{36.355}
Bo = 7-B1 x = 218.255
Po = 1-p1 ~ zent
thus, y = Bo+ B12 = 218.255 + 1.384x
(4)
The amount of contradated In
4-218 285 +1384 (65) mode
y = 218.285 + 1.384 (65) - 308.215
So, the predicted power consumption for 65°F
TS & 308.245 B7U
(5)
2
Assume that we have relationship bow x
10- 343 42 BET BX - NOS 5X
From the given data, we have
2880, 029/ X N-1-12
X = Exi - 5; 7 = Eyi -121.5556
2000.0 - FN M 373 = 13
Sxy = EXiti - nX 7 = -121.8
$S_{xx} = \sum_{x} x_{1}^{2} - n x^{2} - 19.26$
$y_{11} = 2y_{1}^{2} - ny^{2} = 804.222$
$SS = S_{xx}S_{yy} - S_{xy} -$
12 12 12 13 13 13 13 13 13 13 13 13 13 13 13 13
0 S2 0 0 5 1 9 1 5 9 9 9

soon coefficient Ngày 153,176 - 6:324x of particulate removed y= β0 + β1 x n=19 Sxy = 0.000044 Sxx S = 0.00663 Sxy = 0.0065 0.0116 THUANTIENBOOK Tài đức ven tròn

LB = $\beta_1 - ME = 0.0009$ UB - $\beta_1 + ME = 0.0121$ Hune, 95% CI for β_1 $0.0009 < \beta_1 < 0.012.1$

c) x = 1% = 0.01 $t_{0ps} = \beta_1 - \beta_{10} = 0.0065 - 0 = 2.426$ $5/\sqrt{s_{xx}} = 0.00663/\sqrt{6.125}$ $t_{0.045/17} = 2.898$

Hypothesis Tect:

|t| < tale, n-2 (2.426 (2.898)

So, we fail to resect the null hypothesis.

	Thứ Ngày , No.
()	$E = \sum_{i=1}^{n} (y_i - \hat{y}_i) = (n-2) \delta^2 t$ $= (17) (0,000044)^2$
35	= (17) (0,0000 44)2
	$= 0.032912 \times 10^{-6}$
	n C = 12 = C 0003
5	SR = 8 (y= y) 2 Syy = 0,0003
	R ² Z 1 - SSE - 10. 0. 9999 Z 99. 9% SSR
	SSR
2663 - 0	The lipsar model is a good for model
346	R ² 21)
	Chus.
	PG000 - 3M - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 - 7 -
	HWA 364 CT PO 0-154
	D. 00095 B. C0.0121
	$\frac{20 \times 2 \times 10^{2} \times 0.01}{4 \times 10^{2} \times 10^{2} \times 10^{2}}$
22,426	S/15 0.0065 21 F
	2.898
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