offic House 8/18 $U(5^2) = -\frac{1}{2} \log (2\pi 6^2) - \frac{2(2y_1 - 3y_2 - 3y_3)^2}{2(5^2)}$ $\frac{28}{20} = -\frac{n}{2} \frac{2\pi}{2\pi} \frac{1}{2\pi} - \frac{2}{12\pi} \frac{(4)^{2} - 8 - 8 \times 1)^{2}}{2} \frac{(-1)(5)^{2}}{2}$ $\frac{-n}{25^2} + \frac{\sum_{i}(y_i-x_0-x_i)^2}{25^4} = \frac{1}{25^4}$ 4. E(30)= Bo - My?

AB, - B, - Me of Crowso- Merking

N(0,1)

95

27

CI: d Sig. level

Slope:
$$\hat{\beta}_{1} \pm t_{1}^{2} - \frac{1}{2}, n = 2$$

$$\hat{\beta}_{1} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{2} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{1} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{2} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{1} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{2} + \frac{1}{2}, n = 2$$

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$$\hat{\beta}_{1} + \frac{1}{2}, n = 2$$

$$\hat{\beta}_{2} + \frac{1}{2}, n = 2$$

$$\hat{\beta$$

Since o is unknown, voi most replace It is estimate 5: why we go for 7-Stats Instead follows a tap dist A EN U) 2~W 20, 1) V~Xaf Z 11 V. U~taf

$$\begin{array}{c|c}
\hline
B_1 - B & \sigma \\
\hline
T = \overline{\sigma/|ssx} & \overline{\sigma}
\end{array}$$

$$\begin{array}{c|c}
\hline
D^2 = \overline{[n-2]} \\
\hline
N(0,1)
\end{array}$$

$$\begin{array}{c|c}
\hline
N(0,1)
\end{array}$$

$$e_{1} = -\frac{2}{2}e_{1}$$

$$e_{1} + \frac{2}{2}e_{2} = 0$$

$$e_{1} + \frac{2}{2}e_{3} = 0$$

$$e_{1} + \frac{2}{2}e_{3} = 0$$

$$f_{2} = 0$$

$$f_{3} = 0$$

$$f_{4} = 0$$

$$f_{5} = 0$$

$$f_{5} = 0$$

$$f_{6} = 0$$

$$f_{7} =$$

$$y_{i} = \beta_{0} + \beta_{1} \times i + 2i$$

$$E(y_{i}) = \beta_{0} + \beta_{1} \times i + 2i$$

$$Z_{i} (y_{i} - \beta_{0} - \beta_{1} \times i)^{2}$$

$$L) minimize w. (i, t) = \beta_{0} e^{\beta_{1}}$$

$$(i) \text{ if } z_{i} \sim N(0, 6^{2})$$

$$\Rightarrow y_{i} \sim N(\beta_{0} + \beta_{1} \times i, 6^{2})$$