

this 2 indep.  
time: samples

week: LN pp.  
L-214 → 244

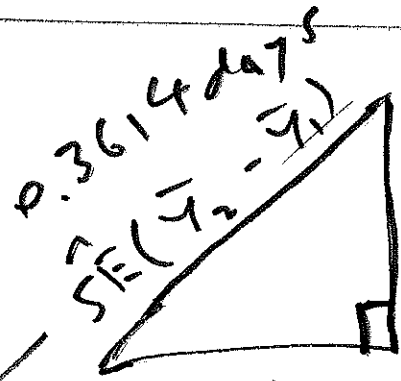
AMS7  
15 Nov  
18

next consecutive  
time:

today: LN pp. L-195 → 4

no discussion re this next week  
but yes: lecture on Tue

R-22



(Pythagoras)

SE(ȳ\_2)

0.2419 days

SE(ȳ\_1)  
0.2685  
days

$$\leq 0.2685 + 0.2419$$
$$\geq 0.2685$$

$$\sqrt{(0.2685 \text{ days})^2 + (0.2419 \text{ days})^2}$$

$$= \cancel{0.18}$$

$$= \cancel{0.81}$$

②

$$\frac{\vec{SE}(\bar{y}_2 - \bar{y}_1)}{\vec{SE}(\bar{y}_1)}$$

$$\vec{SE}(\bar{y}_2) = \frac{s_2}{\sqrt{n_2}}$$

$$\vec{SE}(\bar{y}_2 - \bar{y}_1)$$

$$= \frac{s_1}{\sqrt{n_1}}$$

$$= \sqrt{[\vec{SE}(\bar{y}_2)]^2 + [\vec{SE}(\bar{y}_1)]^2}$$

$$= \sqrt{\left(\frac{s_2}{\sqrt{n_2}}\right)^2 + \left(\frac{s_1}{\sqrt{n_1}}\right)^2}$$

n.p. 24  
formula

||

=

$$\sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}} = \vec{SE}(\bar{y}_2 - \bar{y}_1)$$

CA

OR

(12.36)

[ ]

$n_1 = 265$

[ ]

$n_2 = 281$

Correlation  
& Regression

Scatter plot <sup>③</sup>  
scatter diagram

