

this time:

hypothesis & significance testing

next time:

sample size determination

read: LN pr. L-179 → L-185

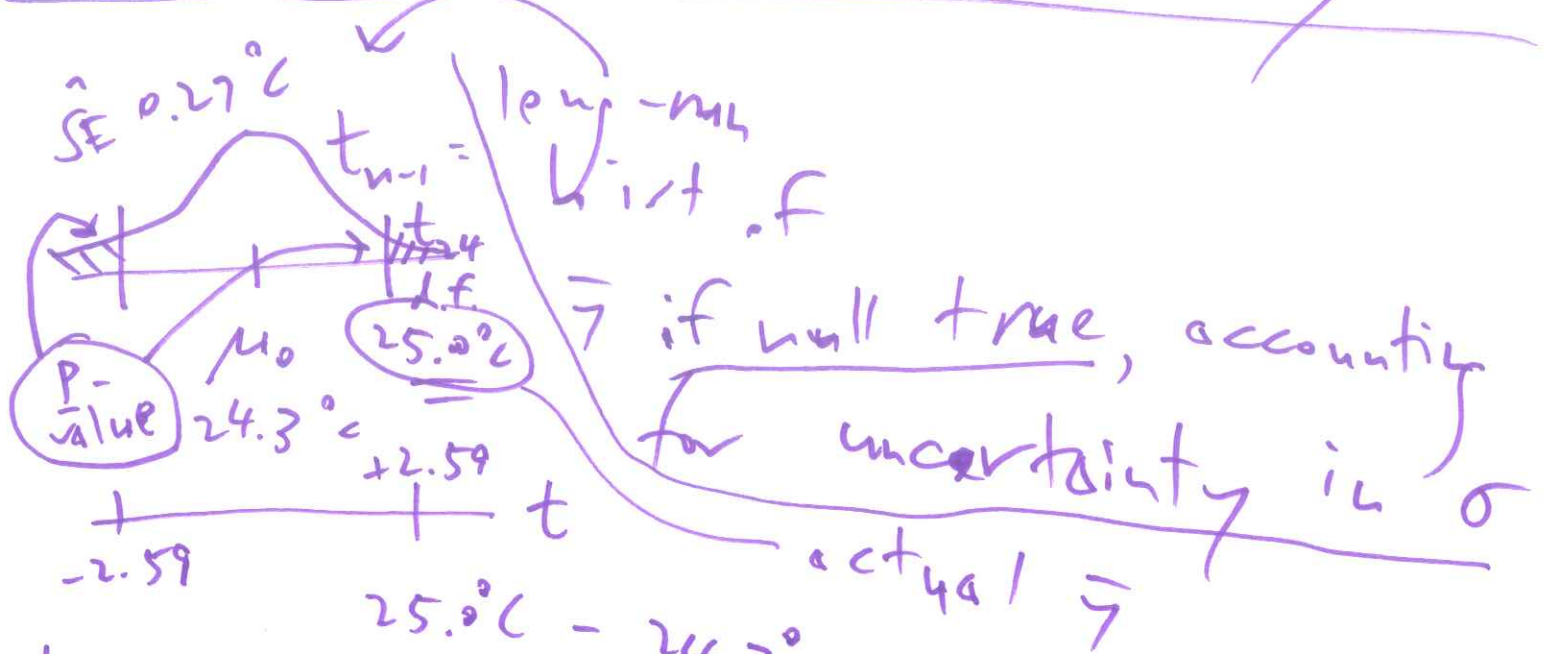
AM57
15 May
2018

today: LN pr. L-162 → ①

hwk 3 due at canvas by 11.59 pm on Sun 27 May

L-139

intertidal crab care study



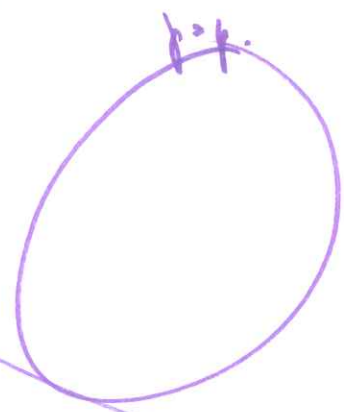
$$t \text{ statistic} = \frac{25.0^\circ\text{C} - 24.3^\circ\text{C}}{0.27^\circ\text{C}} = \frac{\bar{y} - \mu_0}{SE(\bar{y})} = \frac{+0.7^\circ\text{C}}{0.27^\circ\text{C}} = +2.59$$

t ratio = $\frac{\text{signal}}{\text{noise}}$ = $t = +2.59$

= $\frac{\bar{y} - \mu_0}{SE(\bar{y})}$

p-value = measure of surprise of data if null true

2-sample
inference



likg
RDD



exp.
subj.

C(2)

$\frac{1}{2}$ → T
at random

$\frac{1}{2}$ → C

(2)
[S]

[S]