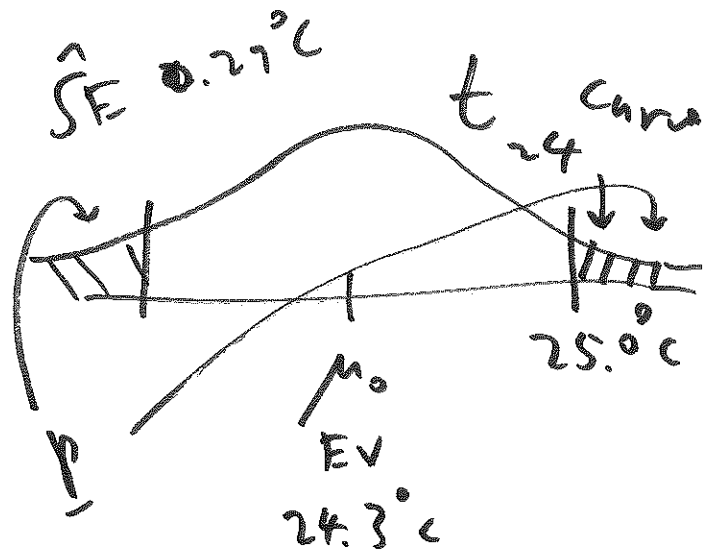
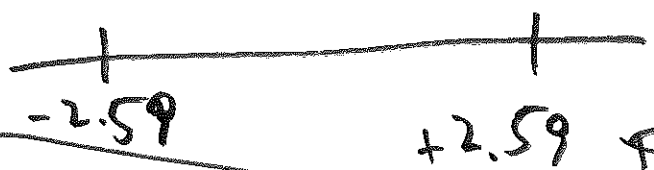


this time: sample size determination;
 next time: hypothesis testing & pitfalls

Wed: LN
 pp. L-174 → 185
 AM57
 11 Jul
 2016
 today: LN
 pp. L-167 → 192



long run hist of \bar{y} ,
 accounting for
 uncertainty in σ ,
 if null were true



$$\frac{25.3^\circ\text{C} - 24.3^\circ\text{C}}{0.27^\circ\text{C}} = t$$

$$= \frac{0.79}{0.27} = 2.59$$

2-sided alternative

the t statistic here is +2.59

P-value = chance, if null true, of getting data as extreme as, or more extreme than, what you got

(10.53)
(9.49)