

習題 1

分配: 常態母體, σ 未知且 $n < 30$

$$T = \frac{\bar{x} - \mu}{\frac{s}{\sqrt{n}}} \sim t(n-1)$$

① $t_{0.025}(10) = \underline{2.228}$

$\alpha = 0.025, v = (10)$

② $t_{0.95}(8) = \underline{1.86}$

" α 沒 0.95 $\therefore t_{0.95}(8) = -t_{0.05}(8)$

③ $\chi^2_{0.05}(12) = \underline{21.03}$

⑧ $F_{\alpha}(6,6) = 4.28$

④ $\chi^2_{\alpha}(15) = 7.26, \alpha = \underline{0.95}$ $\alpha = \underline{0.05}$

⑤ $\chi^2_{0.95}(10) = \underline{3.94}$

⑥ $F_{0.05}(5,8) = \underline{3.69}$

⑦ $F_{0.95}(6,7) = 1 - 3.87 = \underline{0.13}$

$F_{0.05}(6,7) = \underline{3.87}$