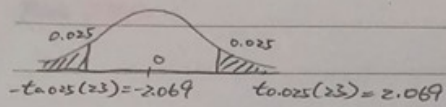


Content:

$$④ T = \frac{28.25 - 72 - 6}{\sqrt{\frac{48^2}{12} + \frac{8.54^2}{15}}} = 2.167$$

∴ 棄卻 H_0

7-9

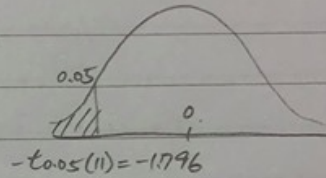
$$① H_0: \mu_1 - \mu_2 \geq 0$$

$$H_1: \mu_1 - \mu_2 < 0$$

$$② \alpha = 0.05$$

$$③ \text{棄卻域 } C = \{T < -t_{0.05}(11)\}$$

$$= \{T < -1.796\}$$



$$④ T = \frac{\bar{d} - d_0}{\frac{sd}{\sqrt{n}}} = \frac{-3.5 - 0}{\frac{5.231}{\sqrt{12}}} = -2.318$$

∴ 棄卻 H_0