

Week 10 課堂作業

$$(1) H_0 = \frac{\sigma_1^2}{\sigma_2^2} = 1$$

$$H_1 = \frac{\sigma_1}{\sigma_2} \neq 0$$

$$(2) \alpha = 0.1$$

$$(3) C = \begin{cases} F < F_{0.95}(9, 7) \\ F > F_{0.05}(9, 7) \end{cases}$$

$$\begin{cases} F < \frac{1}{3.29} = 0.304 \\ F > 3.68 \end{cases}$$

$$(4) F = \frac{0.653^2}{0.627^2} = \frac{0.426409}{0.393129} \approx 1.08$$