

# week 10 課後作業

$$11) H_0 = \frac{b_1^2}{b_2^2} = 1$$

$$H_1 = \frac{b_1}{b_2} \neq 0$$

$$12) \alpha = 0.1$$

$$13) C = \begin{cases} F < F_{0.95}(9,7) \\ F > F_{0.05}(9,7) \end{cases}$$

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

14)

$$F = \frac{0.653^2}{0.627^2} = \frac{0.426409}{0.393129}$$

$$\approx 1.08$$