

# THEME

DATE: \_\_\_\_\_

S M T W T F S

WEATHER



MEMBER: \_\_\_\_\_

PLACE: \_\_\_\_\_

7.13

(1)

$$H_0 = P_1 - P_2 \leq 0, H_1 = P_1 - P_2 > 0$$

(2)

$$\alpha = 0.05$$

(3)

$$\text{棄卻域 } C = \{z > z_\alpha\} = \{z > 1.645\}$$

(4)

$$\text{已知 } n_1 = 200, n_2 = 150, x = 108, y = 78$$

$$\hat{p}_1 = 0.54, \hat{p}_2 = 0.52$$

$$\bar{p} = \frac{x+y}{n_1+n_2} = \frac{108+78}{200+150} = 0.531$$

$$z = \frac{0.54 - 0.52}{\sqrt{0.531(1-0.531)(\frac{1}{200} + \frac{1}{150})}} = 0.371$$

$\therefore$  並無多於女性