

P. 256 1307, 13

$$(1) H_0: p_1 - p_2 \leq 0$$

$$H_1: p_1 - p_2 > 0$$

$$(2) \alpha = 0.05$$

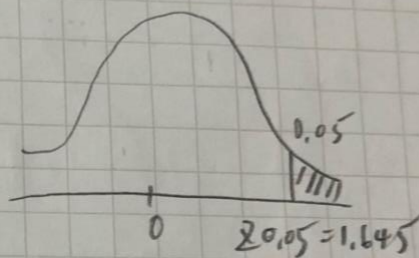
$$(3) C = \{z > z_{\alpha}\} = \{z > 1.645\}$$

$$(4) n_1 = 200, n_2 = 150, X = 108, Y = 98$$

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

$$\bar{p} = \frac{X+Y}{n_1+n_2} = \frac{108+98}{200+150} = 0.531$$

$$Z = \frac{\hat{p}_1 - \hat{p}_2}{\sqrt{\bar{p}(1-\bar{p})\left(\frac{1}{n_1} + \frac{1}{n_2}\right)}} = \frac{0.54 - 0.52}{\sqrt{0.531(1-0.531)\left(\frac{1}{200} + \frac{1}{150}\right)}} = 0.371$$



男性投保意外險
的比例沒有多於女性