

例 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)

$$\text{已知 } n_1 = 200, n_2 = 150, X = 108, Y = 78, \hat{p}_1 = 0.54, \hat{p}_2 = 0.52$$

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