

NO.

Date.

例. 7.12

$$\hat{p} = \frac{145}{350} = 0.414 \quad H_0: p \leq 0.4 \quad H_1: p > 0.4$$

$$\alpha = 0.05 \quad C = \{Z > z_{0.05}\} = \{Z > 1.645\}$$

$$Z = \frac{0.414 - 0.4}{\sqrt{\frac{0.414(1-0.414)}{350}}} = 0.532$$

$$p\text{-值} = P(Z > 0.532)$$

$$= P(Z > 0.53)$$

$$= 1 - 0.7019$$

$$= 0.2981 > \alpha$$

因此不棄卻虛無假設。