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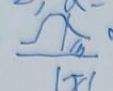
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企管二甲

王律翔

例 7.12 step1: $H_0: p \leq 0.4$ $H_1: p > 0.4$

step2: $\alpha = 0.05$

step3:  $\alpha = 0.05$

$$\text{step4: } Z = \frac{\bar{p} - p_0}{\sqrt{\frac{p_0(1-p_0)}{n}}} = \frac{0.45 - 0.4}{\sqrt{\frac{0.4 \times 0.6}{100}}} = 0.532$$

习题 10 $H_0: p \leq 0.4$ $H_1: p > 0.4$

$\alpha = 0.05$

$p_0 = 0.4$

$$Z_{0.05} = 1.645$$

$$Z = \frac{\bar{p} - p_0}{\sqrt{\frac{p_0(1-p_0)}{n}}} = \frac{0.45 - 0.4}{\sqrt{\frac{0.4 \times 0.6}{100}}} = \frac{0.05}{\sqrt{\frac{0.24}{100}}} = 1.021$$

接受 H_0