

5/19 實驗課作業

$$6. \bar{x} = 4.65$$

$$S = 1.26$$

$$(1) n = 40 \quad \alpha = 0.05$$

$$H_0 = \mu = 4.3$$

$$H_1 = \mu \neq 4.3$$

$$z_{0.05} = 1.96$$

$$\frac{4.65 - 4.3}{\frac{1.26}{\sqrt{40}}} = 1.757$$

不拒絕 H_0 .

(2)

$$n = 80, \alpha = 0.05$$

$$H_0 = \mu = 4.3$$

$$H_1 = \mu \neq 4.3$$

$$z_{0.05} = 1.96$$

$$\frac{4.65 - 4.3}{\frac{1.26}{\sqrt{80}}} = 2.485$$

拒絕 H_0