

$$3. n=10 \quad \bar{x}=13.63 \quad s=6.05$$

$$n-1=9, \quad 1-\alpha=0.98, \quad \frac{\alpha}{2}=0.01$$

$$t_{0.01}(9) = 2.821$$

$\therefore n=98\%$ 信賴區間為

$$\bar{x} \pm t_{\frac{\alpha}{2}}(n-1) \frac{s}{\sqrt{n}} = 13.63 \pm 2.821 \times 1.91$$

$$= 13.63 \pm 5.39 \Rightarrow (8.24, 19.02)$$

A10623034 曾文輝 財信二