

4/7 實習作業

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

$$S=6.05, \quad n-1=9$$

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

$$\bar{x} \pm t_{\frac{\alpha}{2}}(n-1) \frac{S}{\sqrt{n}} = 13.63 \pm t_{0.01}(9) \frac{6.05}{\sqrt{10}}$$

$$= 13.63 \pm 2.821 \times 1.91$$

$$= 13.63 \pm 5.39$$

$$= (8.24, 19.02)$$