

企管 = 甲 $10^9 \times 100^3$ 3 次 1 倍

3. $n=10$, $\bar{x}=13.63$, $S=6.05$, $n-1=9$

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

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

~~$$\bar{x} \pm t_{\frac{\alpha}{2}}(n-1) \frac{S}{\sqrt{n}}$$~~

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

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

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