3.
$$n=10$$
, $\bar{\chi}=13.63$, $5=6.05$, $n-1=9$, $1-\alpha=0.98$, $\frac{\alpha}{2}=0.0$]
$$\bar{\chi}\pm t_{\frac{\alpha}{2}}(n-1)\frac{5}{\sqrt{n}}=13.63\pm t_{0.01}(9)\frac{6.05}{\sqrt{10}}$$

$$A[0]27.044$$

4. 11)
$$N = 1200$$
, $\hat{p} = 0.33$, $1 - \alpha = 0.48$, $\frac{\alpha}{2} = 0.01$

$$\hat{p} = \frac{650}{820} = 0.79$$

$$=(.73 \pm 0.44)$$

= $(1.29, 2.17)$

多時態