

6.19

so $1 - \alpha = 0.95$, $Z_{\frac{\alpha}{2}} = Z_{0.025} = 1.96$, $e = \frac{0.01}{0.95}$,

$s = 0.05$, 由於 s 估計值代入,

$$n = \left(\frac{Z_{\frac{\alpha}{2}} s}{e} \right)^2 = \left(\frac{1.96 \times 0.05}{0.01} \right)^2 = 96.04$$

$n = 97$ 樣本數抽 97 - 25 = 62 隻, 確保 p 值
估計誤差界限不超過 0.01 公分的機率為 0.95