A106210043 企三甲 陳敦秀

例6-19 $e=0.01$ 樣本標準差52知，σ未知。

$1-\alpha=0.95$，$\frac{\alpha}{2}=0.025$，$z_{0.025}=1.96$，$S=0.05$

$n=(\frac{1.96\times0.05}{0.01})^2=96.04\approx97$，$97-35=62$#

例6-9

(1) $\bar{X}=(15600+15100+15000+15200+15500+15400+15600+15500+15300+15200+15300+15400)\div12=15291.67$#

$S=197.52$

(2) $1-\alpha=0.9$，$\frac{\alpha}{2}=0.05$，$t_{0.05}(12-1)=t_{0.05}(11)=1.796$

$(15291.67-1.796\frac{197.52}{\sqrt{12}}, 15291.67+1.796\frac{197.52}{\sqrt{12}})=(15189.76, 15394.08)$#

(3) $15394.08-15189.76=204.32$#