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(1) 母体を常態分配 の実估計值
S = \sqrt{\frac{z(x_1 - \bar{x})^2}{n - 1}} = \sqrt{\frac{z(x_1 - \bar{x})^2}{n - 1}} = \sqrt{\frac{1284 - 6x \cdot 14.33^2}{5}}
  =\sqrt{10.38}=3.22 G姑計: 3.22
(2) 1-x=0.9 ==0.05 n-1=5
χ<sub>1.0</sub> (n-1) = χ<sub>0.95</sub> (5) = 1.15
·· 6 之 90 % 信賴區間為:

\left[
\frac{5 \times 10.38}{\chi_{0.05}^{2}(5)}, \frac{5 \times 10.38}{\chi_{0.95}^{2}(5)}\right] = \left[
\frac{51.9}{11.07}, \frac{51.9}{1.15}\right]

= (2.17, 6.72)
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(2)
$$1-\lambda=0.9$$
 $\chi_{\frac{9}{2}}(n_1-1)=\chi_{0.05}(8)=15.51$ $\chi_{1-\frac{9}{2}}^{2}(n_1-1)=\chi_{0.05}^{2}(8)=2.73$ $\chi_{0.05}^{2}(8)=2.73$ $\chi_{0.05}^{$