仮 $Z(X_i) = \mathcal{N}$, $V(X_i) = \sigma^2 = Z(X_i^2) - \mathcal{M}^2$, 則 $Z(\overline{X}) = \mathcal{M}$, $V(\overline{X}) = \frac{\sigma^2}{h^2} = Z(\overline{X}^2) - \mathcal{M}^2$

$$Z(\theta_{1})=Z\left(\frac{2}{2\pi}(\chi_{1}-\chi_{1})^{2}\right)=\frac{1}{h}Z\left(\frac{h}{2\pi}\chi_{1}^{2}-h\chi_{2}^{2}\right)$$

= $\frac{1}{h}(n\sigma^2 + hu^2 - \sigma^2 - hu^2) = \frac{h-1}{h}\sigma^2$

票代

或 町 町 町 町

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$$Z(\theta_2) = Z\left(\frac{\sum_{i=1}^{n} (x_i - \overline{x})^2}{h-1}\right) = \frac{1}{h-1} Z\left(\sum_{i=1}^{n} x_i^2 - h\overline{x}^2\right)$$

= $\frac{1}{h-1}$ (no2+hu2-o2-hu2=02

: $\theta_2 = \frac{n}{2} (x_1 - x_1)^2 / (n-1)$ 為母體變異數 σ^2 之不偏估計

里,而自二二(X:一页)3/h 為母體變異數03之 偏誤估計量。