

$$\frac{Y - np}{\sqrt{np(1-p)}}$$

$$\frac{\bar{x} - \mu}{s/\sqrt{n}}$$

$$\frac{\hat{p} - p}{\sqrt{p(1-p)/n}}$$

$$p^* = \frac{x + 2}{n + 4}$$

$$\frac{(n-1)s^2}{\sigma^2}$$

$$\left(\frac{(n-1)s^2}{\chi_{\alpha/2}^2}, \frac{(n-1)s^2}{\chi_{1-\alpha/2}^2} \right)$$