$$= 2 - 2P(2 \leq k)$$

$$P(121 \le k) = 1 - 2P(2 \le k)$$

= $1 - 2(1 - P(2 \le k))$
= $2P(2 \le k) - 1$

Gaussian form

If only working with
$$\theta: \frac{\theta-\theta}{\sqrt{\theta(1-\theta)}}$$
 (asymptotic Pa)

Confidence Intervall

+ 5 22

$$\pm 2\sqrt{\frac{\Phi(1-\Theta)}{N}}$$

$$Var(X) = E(X^2) - E(X)^2$$

$$Var(aX + b) = a^2 Var(X)$$