Estimating Population Proportion:

Interval Entimetion:

$$\left( p - 2_{1/2} \times \sqrt{\frac{\pi(1-1)}{n}}, p + 2_{1/2} \times \sqrt{\frac{\pi(1-1)}{n}} \right)$$

unknown

~ Poplacement not unbiased estimate p

$$\left(p-z_{y_2}\times\sqrt{\frac{p(1-p)}{n}},p+z_{y_2}\times\sqrt{\frac{p(1-p)}{n}}\right)$$

Ls n≥30

Ls nn >5

Ly n(1-17) 25

$$\Rightarrow p = \frac{2s}{100} = \frac{1}{4} = 0.25$$

$$\left(p-2_{12}\times\sqrt{\frac{p(1-p)}{n}},p+2_{12}\times\sqrt{\frac{p(1-p)}{n}}\right)$$

$$\left(0.25^{-}-1.96\times\left[\frac{0.25(0.75)}{0.25(0.75)}\right],0.25^{-}+1.96\times\left[\frac{0.25(0.75)}{1.55}\right]\right)$$