	Proportion	Mean	Variance/StDev
Central Limit Theorem	yes	yes	no
Population	p	μ	σ^2 / σ
Sample	$\hat{p}$	$\bar{x}$	s^2 / s
Requirements	n>30	n>30 or x normally distributed	x normally distributed
Distribution	normal	normal	chi-squared distribution
Critical Values	$z_{\alpha/2}$	$t_{\alpha/2}$ (if σ unknown, otherwise $z_{\alpha/2}$)	χ^2_L and χ^2_R
Parameters of Distribution	$\mu_{\hat{p}}=p$	$\mu_{\bar{x}}=\mu$	
	$\sigma_{\hat{p}}=\sqrt{\frac{p(1-p)}{n}}$	$\sigma_{\bar{x}}=\frac{\sigma}{\sqrt{n}}$	
		$df=n-1$	$df=n-1$
Confidence Interval	$\hat{p}-E<p<\hat{p}+E$	$\bar{x}-E<\mu<\bar{x}+E$	$\frac{(n-1)s^2}{\chi^2_R}<\sigma^2<\frac{(n-1)s^2}{\chi^2_L}$
Sample Size Determination	$\frac{(z_{\alpha/2})^2\hat{p}\hat{q}}{E^2}$ $\frac{(z_{\alpha/2})^2\cdot 0.25}{E^2}$	$\left(\frac{z_{\alpha/2}\sigma}{E}\right)^2$	n/a