

**Formulas on the Test:**

$$n = \frac{\hat{p}(1-\hat{p})z^2}{m^2} \quad n = \left(\frac{zs}{m}\right)^2$$

Case	parameter	estimator	standard error	Estimate of standard error	Sampling Distribution
<b>one mean</b>	$\mu$	$\bar{x}$	$\frac{\sigma}{\sqrt{n}}$	$\frac{s}{\sqrt{n}}$	t (n-1)
<b>one prop.</b>	$p$	$\hat{p}$	$\sqrt{\frac{p(1-p)}{n}}$	<b>CI:</b> $\sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$  <b>ST:</b> $\sqrt{\frac{p_0(1-p_0)}{n}}$	z