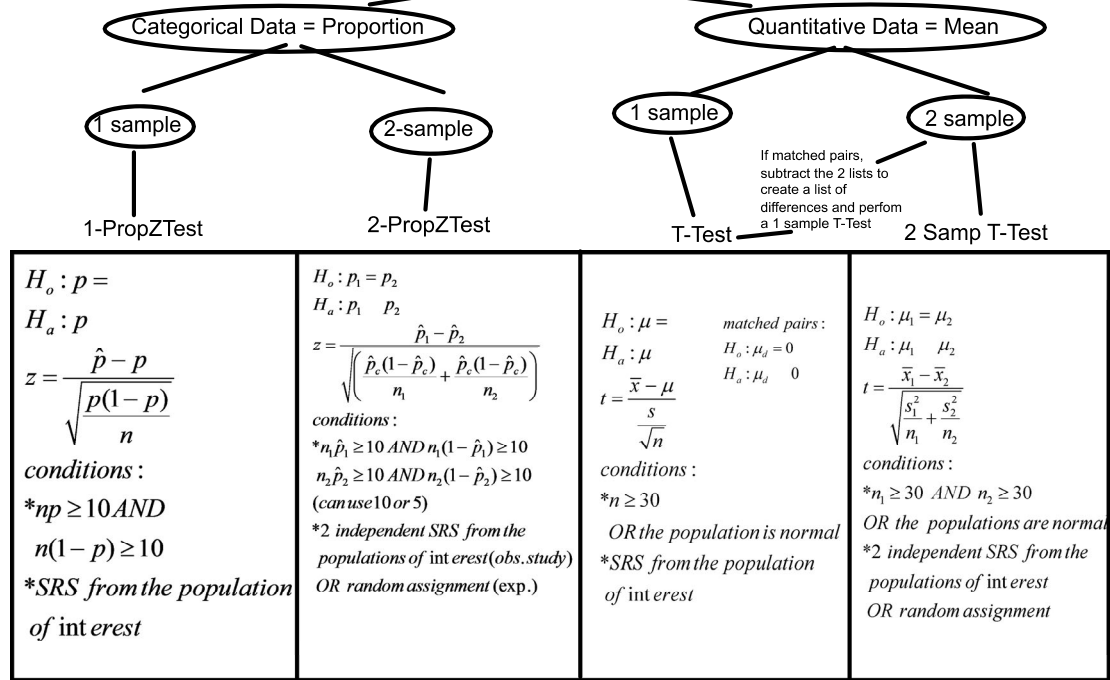


## Significance Tests



1-PropZInt	2-PropZInt	T-Int	2-SampT-Int
$\hat{p} \pm z^* \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}$ <p><i>conditions:</i>                  *<math>n\hat{p} \geq 10</math> AND <math>n(1-\hat{p}) \geq 10</math>                  *SRS from the population of interest</p>	$(\hat{p}_1 - \hat{p}_2) \pm z^* \sqrt{\frac{\hat{p}_1(1-\hat{p}_1)}{n_1} + \frac{\hat{p}_2(1-\hat{p}_2)}{n_2}}$ <p><i>conditions:</i>                  *<math>n_1\hat{p}_1 \geq 10</math> AND <math>n_1(1-\hat{p}_1) \geq 10</math>  <math>n_2\hat{p}_2 \geq 10</math> AND <math>n_2(1-\hat{p}_2) \geq 10</math>                  *2 independent SRS from the populations of interest                  OR random assignment</p>	$\bar{x} \pm t^* \frac{s}{\sqrt{n}}$ <p><i>conditions:</i>                  *<math>n \geq 30</math>                  OR population is normal                  *SRS from the population of interest</p>	$(\bar{x}_1 - \bar{x}_2) \pm t^* \sqrt{\frac{s_1^2}{n_1} + \frac{s_2^2}{n_2}}$ <p><i>conditions:</i>                  *<math>n_1 \geq 30</math> AND <math>n_2 \geq 30</math>                  OR populations are normal                  *2 independent SRS from the populations of interest                  OR random assignment</p>