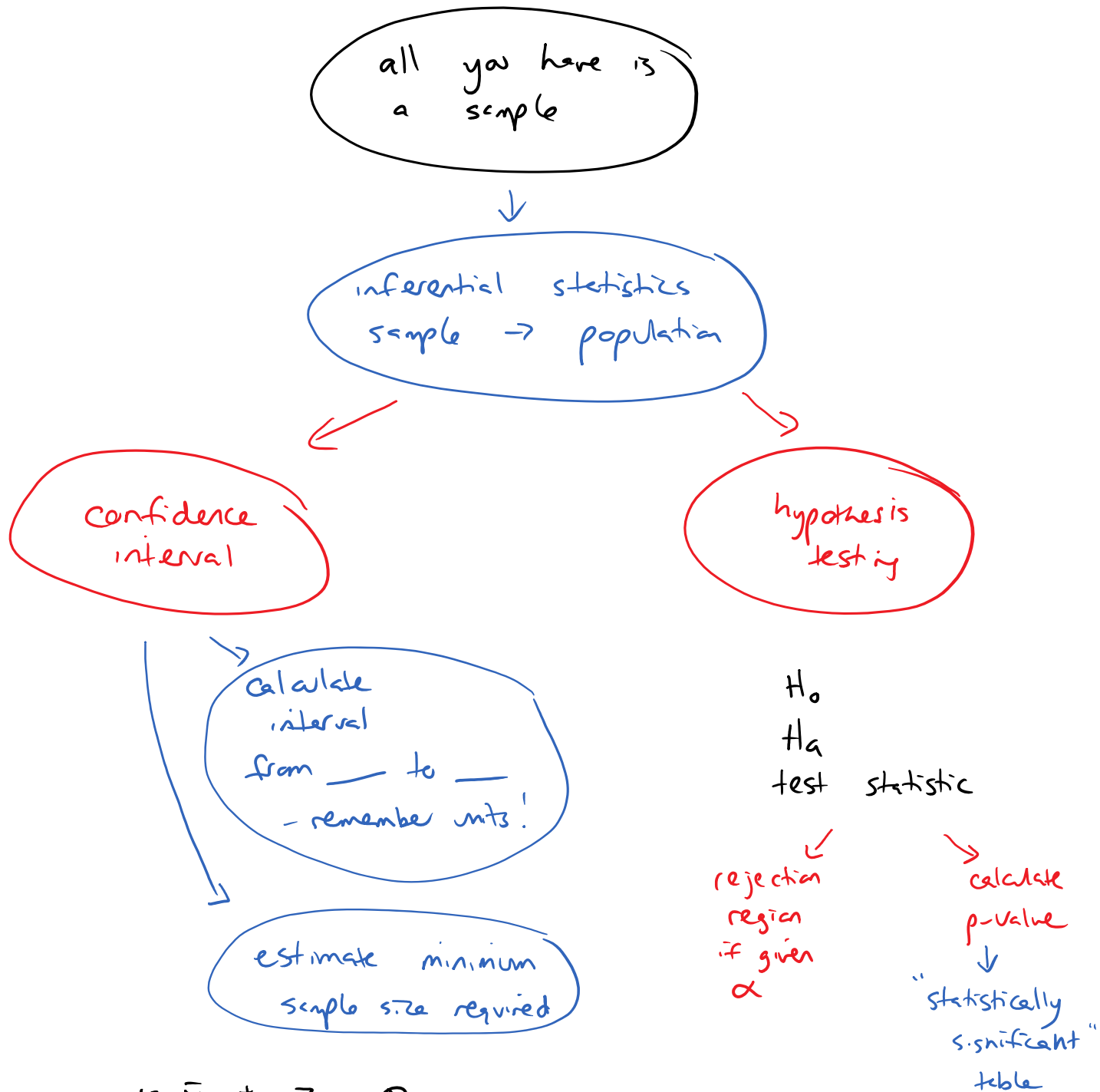


Decision Tree, cont'd

Thursday, April 11, 2019 2:31 PM



$$\mu = \bar{x} \pm z_{\alpha/2} \frac{\sigma}{\sqrt{n}}$$

$$\mu = \bar{x} \pm t_{\alpha/2} \frac{s}{\sqrt{n}}$$

$$p = \hat{p} \pm z_{\alpha/2} \sqrt{\frac{\hat{p}\hat{q}}{n}}$$

⇒ in either case, state conclusion, answering the question posed in the problem

$$\frac{(n-1)s^2}{\chi^2_m} < \sigma^2 < \frac{(n-1)s^2}{\chi^2_m}$$

know also the conditions
for each scenario:

$n \geq 30$ / pop normal /
 $n_p, n_q > 5$ etc