Test 1: Chapters 2-6: p.2 #4 Stem and Leaf Plot, \(\bar{x}+5\) from calculator, and Five Number Summary (Min, Q1, Med, Q3, Max)

Test 2: Chapters 7-13: p.4 #8 bcd

Test 3: Chapters 14-17: p.1 #2, p.2 #3

Since Test 3

Chapter 18: Sampling Distribution

Proportions: \(\hat{p} = p\) \[\sigma = \sqrt{\frac{pq}{n}}\]

Mean: \(\mu_{\bar{x}} = \mu\) \[\sigma_{\bar{x}} = \frac{\sigma}{\sqrt{n}}\]

Chapter 19: Confidence Intervals for Proportions

\[\hat{p} \pm z \times \sqrt{\frac{\hat{p}(1-\hat{p})}{n}}\]

Sample Size

Finding Sample Size

\[n = \frac{Z^2 \times \hat{p} \times (1-\hat{p})}{\text{ME}^2}\]

Round Up!

Chapter 20: Significance Testing for Proportion

\(H_0 + H_A\) Conditions

\(n \geq 10\) and \(n \geq 0.05\)

Random + Independant

\[Z = \frac{\hat{p} - p_o}{\sqrt{p_o(1-p_o)/n}}\]

p-value

Conclusions

Chapter 23: Confidence Intervals for Mean:

\[\bar{x} \pm t \times \frac{s}{\sqrt{n}}\]

Significance Testing:

\(H_0 + H_A\) Conditions

\[t = \frac{\bar{x} - \mu_0}{s/\sqrt{n}}\]

p-value

Conclusions