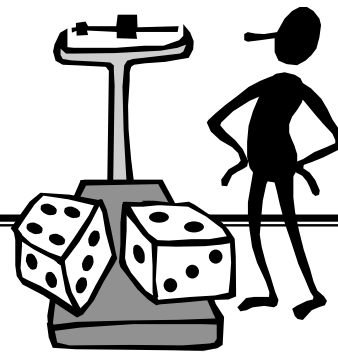


Chapter 22: Comparing Two Proportions



Key Vocabulary:

- pooling

Calculator Skills:

- 2-Prop Z-Int
- 2-Prop Z-Test

1. What conditions and assumptions are necessary for the sampling model of $\hat{p}_1 - \hat{p}_2$ to be approximately Normal?
2. If the above conditions and assumptions are met, what is the mean and standard deviation of the sampling model?
3. What is the general form of a confidence interval for a two-proportion z-interval (pg 424)?
4. Explain what is meant by pooling two samples. When is it appropriate to pool samples?
5. For a two-sample hypothesis test where $H_0 : p_1 - p_2 = 0$, what is the z test statistic?