

Methods

35. Consider the following hypothesis test:

$$H_0: p = .20$$

$$H_a: p \neq .20$$

A sample of 400 provided a sample proportion $\bar{p} = .175$.

- Compute the value of the test statistic.
- What is the p -value?
- At $\alpha = .05$, what is your conclusion?
- What is the rejection rule using the critical value? What is your conclusion?