ARKANSAS STATISTICS · UNIT 3 · 5 QUESTIONS

Statistical Inference — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **Voters standing at white voting booths inside a bright polling place. A sample of 200 voters is taken from all voters in a state The state voters are the**



A Sample

B Population

C Statistic

D Parameter

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2 **A population standard deviation is 18 and the sample size is 9 The standard error of the sample mean is 18 / 3 The standard error is**

- A 3
- B 9
- C 6
- D 18

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3 **A sample mean is 80 with a margin of error of 5 A confidence interval for the population mean is**

- A 80 to 85
- B 70 to 80
- C 85 to 90
- D 75 to 85

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4

A confidence interval that is narrower gives

A More precision but less confidence if the level falls

B Less precision

C No information

D A larger margin

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5

A p value is 0.01 and the significance level is 0.05 The decision is to

A Fail to reject the null hypothesis

B Reject the null hypothesis

C Prove the alternative

D Stop the study

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ANSWER KEY

1. B
2. C
3. D
4. A
5. B

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