ARIZONA 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 **Red and yellow playground seesaw balanced level on its central fulcrum in a sunny park, side view, large in frame. A significance level of 0.05 means the chance of a Type I error is at most**



A 0.95

B 0.05

C 0.5

D 0.01

Understand It with Pulse | Flag a mistake

2 **The power of a test is the probability of correctly**

A Rejecting a false null hypothesis

B Rejecting a true null hypothesis

C Accepting a true null hypothesis

D Accepting a false alternative

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3 **For a one sample t test with sample size 21, the degrees of freedom are**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A test for a proportion needs both np and n(1-p) to be at least**

- A 5
- B 10
- C 30
- D 100

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5 **With n = 200 and p = 0.05, the value of np is**

ANSWER _____

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ANSWER KEY

1. B
2. A
3. 20
4. B
5. 10

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