CALIFORNIA 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 **A long straight open country road stretching to the horizon through flat farmland, vanishing point in the distance, blue sky with a few clouds, no people, no cars. A 95% confidence interval is (40, 60). The point estimate is**



A 20

B 60

C 40

D 50

Understand It with Pulse | Flag a mistake

2 **A 95% confidence interval is (40, 60). The margin of error is**

- A 10
- B 20
- C 5
- D 50

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3 **The standard error for σ = 12, n = 36, is**

- A 2
- B 0.33
- C 12
- D 6

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4 **A p-value of 0.01 at level 0.05 means we**

A prove the null

B reject the null

C prove the alternative

D fail to reject the null

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5 **A p-value of 0.40 at level 0.05 means we**

A fail to reject the null

B prove the alternative

C prove the null

D reject the null

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ANSWER KEY

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

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