CALIFORNIA STATISTICS · UNIT 4 · 5 QUESTIONS

Regression, Experiments, and Categorical Data — 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 line of men in 1930s coats and hats queuing outside a city building for food. A regression line is $\hat{y} = 50 - 2x$. For $x = 10$, the predicted y, is**



ANSWER

Understand It with Pulse | Flag a mistake

2 **In $\hat{y} = 8 + 3x$, the slope is**

- A 24
- B 3
- C 8
- D 11

Understand It with Pulse | Flag a mistake

3 **In $\hat{y} = 5 + 2x$, the slope means y changes by how much for each 1 unit increase in x?**

- A 2
- B 10
- C 7
- D 5

Understand It with Pulse | Flag a mistake

4 **Observed y = 42, predicted y = 38. The residual is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A regression line is ŷ = 8 + 3x. For x = 6, the predicted y is**

A 11

B 48

C 14

D 26

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 30
2. B
3. A
4. 4
5. D

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