ARIZONA STATISTICS · UNIT 1 · 10 QUESTIONS

Data and Distributions — 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 **In stratified sampling, the population is first divided into**



A Random pairs

B Groups called strata

C Equal clusters

D Volunteers

Understand It with Pulse Flag a mistake

2 **In systematic sampling, every nth member is chosen after a**

A Random start

B Volunteer call

C Census

D Stratum

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3 **In cluster sampling, whole groups are chosen at random and all members in the chosen groups are surveyed. The groups are called**



A Strata

B Clusters

C Samples

D Populations

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4 **A data set has mean 60 and standard deviation 5 A score of 50 has a z score of**

- A 2
- B 1
- C -2
- D -1

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5 **In a normal distribution, about what percent of values lie within two standard deviations of the mean?**

- A 68%
- B 95%
- C 99.7%
- D 50%

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6 **A distribution is skewed left. The mean is usually**

- A Less than the median
- B Greater than the median
- C Equal to the median
- D Equal to zero

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7 **A dotplot shows each observation as a dot above a number line It is most useful for**

- A Small data sets
- B Very large data sets
- C Categorical data only
- D Two way tables

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8 **If every value in a data set increases by 10, the standard deviation**

- A Increases by 10
- B Decreases by 10
- C Stays the same
- D Becomes zero

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9 **If every value in a data set doubles, the mean**

- A Stays the same
- B Doubles
- C Halves
- D Becomes zero

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10 **The mode of 4, 9, 4, 12, 9, 4 is**

ANSWER

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ANSWER KEY

1. B
2. A
3. B
4. C
5. B
6. A
7. A
8. C
9. B
10. 4

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