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Courses » Business Statistics

Announcements

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Unit 6 - Week 5

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Course outline

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- Lesson-21 Chapter Concepts – Probability Distributions
- Lesson-22 Sampling and Sampling Techniques
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- Quiz : Assignment 5

Assignment 5

The due date for submitting this assignment has passed.

As per our records you have not submitted this assignment. **Due on 2019-03-06, 23:59 IST.**

1) Which of the following is not a non-probability sampling techniques? **1 point**

- a) Convenience sampling
- b) Cluster sampling
- c) Judgemental sampling
- d) Quota sampling

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) Cluster sampling

2) Sampling based on equal probability is called? **1 point**

- a) Probability sampling
- b) Systematic sampling
- c) Simple random sampling
- d) Stratified sampling

No, the answer is incorrect.

Score: 0

Accepted Answers:

c) Simple random sampling

3) The sampling distribution of the mean is a distribution of? **1 point**

- a) Individual population values
- b) Individual sample values
- c) Statistics
- d) Parameters

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a) The number of samples gets large enough

b) The sample size gets large enough

c) The size of the population standard deviation increases

d) The size of the sample standard deviation decreases

No, the answer is incorrect.
Score: 0

Accepted Answers:
 b) *The sample size gets large enough*

5) In statistical analysis, the sample size is considered large if... **1 point**

a) $n > \text{or} = 30$

b) $n < \text{or} = 30$

c) $n > \text{or} = 50$

d) $n > \text{or} = 70$

No, the answer is incorrect.
Score: 0

Accepted Answers:
 a) $n > \text{or} = 30$

6) Suppose that during any hour in a large departmental store, the average number of shoppers is 448, with a standard deviation of 21 shoppers. What is the probability that a random sample of 49 different shopping hours will yield a sample mean between 441 and 446 shoppers? **1 point**

a) 15.2%

b) 18.52%

c) 24.15%

d) 32.45%

No, the answer is incorrect.
Score: 0

Accepted Answers:
 c) *24.15%*

7) A population is made up of groups that have wide variation within each group but little variation from group to group. The appropriate type of sampling for this population is? **1 point**

a) Stratified

b) Systematic

c) Cluster

d) Judgement

No, the answer is incorrect.
Score: 0

Accepted Answers:
 c) *Cluster*

8) Mary Bartel, an auditor for a large credit card company, knows that, on average, the monthly balance of any given customer is \$112, and the standard deviation is \$56. If Mary audits 50 randomly selected accounts, what will be the standard error? **1 point**

a) 3.870

b) 7.920

c) 12.540

d) 15.330

No, the answer is incorrect.

Score: 0

Accepted Answers:

b) 7.920

9) From a population of 125 items with a mean of 105 and a standard deviation of 17, 64 items were chosen. What is the standard error of the mean? **1 point**

a) 1.490

b) 3.560

c) 5.890

d) 9.990

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) 1.490

10) Method of sampling in which population is divided into mutually exclusive groups that have useful context in statistical research is classified as? **1 point**

a) Stratified sampling

b) Regular group sampling

c) Irregular group sampling

d) Direct group sampling

No, the answer is incorrect.

Score: 0

Accepted Answers:

a) Stratified sampling

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