

## **Sampling Distributions, Estimation and Hypothesis Testing - Multiple Choice Questions**

1. A researcher divides the population of product users into three groups based on degree of use. If the researcher then draws a random sample from each user group independently, she has created a \_\_\_\_\_ sample.
  - A. simple random
  - B. stratified**
  - C. cluster
  - D. quota
2. If a researcher wishing to draw a sample from sequentially numbered invoices uses a random starting point, then draws every 50<sup>th</sup> invoice, he has thus drawn a \_\_\_\_\_ sample.
  - A. simple random
  - B. sequential
  - C. stratified
  - D. systematic**
3. Which of the following is *not* needed in calculating a confidence interval for a population mean?
  - A. a point estimate of the population mean
  - B. an estimate of the population variance
  - C. All of the above are needed.
  - D. None of the above.**
4. Using the standardized normal table, determine what Z value would be used to set up a confidence interval at the 99 percent confidence level.
  - A. 1.01
  - B. 1.645
  - C. 1.96
  - D. 2.575**

## Multiple Choice Question On Sampling Design

**Alexandra S. Beatty**

## Multiple Choice Question On Sampling Design:

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