



Biostatistics

Archive

Lecture 12

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Q1. Hidden periodicities lead to bias in..... type of sampling:

- a. Simple random
- b. Stratified random
- c. Systematic random
- d. Cluster

Answer: C. Systematic random

Q2. One of the following is not a probability sampling:

- a. Systematic sampling
- b. Cluster sampling
- c. Stratified random sampling
- d. Simple random sampling
- e. Convenient sampling

Answer: E. Convenient sampling

Q3. One of the following is a necessary condition for a sample to be random:

- a. Every person in the population has the same likelihood of being included in the sample.
- b. The characteristics of the sample are the same as the characteristics of the population.
- c. The choice of the method of selecting individuals from the population is governed entirely by chance.
- d. Choosing the persons who are close to us
- e. Proportions of various groups selected are equal to corresponding proportions in the population.

Answer: a. Every person in the population has the same likelihood of being included in the sample

Q4. . A Simple random sample is a one where:

- a. you use the random digit
- b. you apply a pre-defined system
- c. you decide a sample size and sample proportionately from the population
- d. you have to categorize the area into sectors
- e. you choose each item with no regard to previous choices

Answer: a. you use the random digit

Q5. A (simple) random sample is defined by:

- a. quantity of selection
- b. the method of selection
- c. duration of selection
- d. its degree of resemblance to the population
- e. outcome of selection

Answer: b. the method of selection

Q6. . A random sample is used to:

- a. Make the sample representative to the population
- b. Be suitable for an inferential test
- c. Minimize the cost of a study
- d. Eliminate a selection of bias
- e. Give every member in the population the same probability of selection

Answer: a. Make the sample representative to the population

Q7. 5. We have decided to conduct a study on smoking among students of Mutah University. We randomly selected every 4th student in the university. The type of this sampling will be:

- a. Simple random sampling
- b. Systematic random sampling
- c. Stratified random sampling
- d. Cluster random sampling
- e. Multi- stage random sampling

Answer: B. Systematic random sampling

Q8. Individuals were selected from a group based on a pre-defined system of every 4th person . This type of sampling is:

- a. Simple random sampling
- b. Systematic random sampling
- c. Stratified random sampling
- d. Cluster random sampling
- e. Multi- stage random sampling

Answer: B. Systematic random sampling

