

KING FAHD UNIVERSITY OF PETROLUEM AND MINERALS

College of Sciences

Stat 211- Term 042

Quez#1

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Question One:

Which of the following statements are true?

1. Descriptive statistical tools include graphs, charts, and numerical measures

Answer: **True**

2. In statistical terms, a population is defined as all the people that live in a particular region of the country.

Answer: **False**

3. When stratified random sampling is employed, the population is divided into homogeneous subgroups called strata.

Answer: **True**

4. Cluster sampling and stratified random sampling are essentially the same type of statistical sampling technique.

Answer: **False**

5. When students are asked to list their age and the percentage of their college expenses that they pay for themselves, the type of data being collected is quantitative.

Answer: **True**

6. At the end of the school term, students are asked to rate the course and instructor by indicating on a scale of 1-5 how well they liked the course. The data generated from this question are examples of ordinal data.

Answer: **True**

7. The data level that will provide the greatest flexibility when it comes to analyzing the data is nominal data.

Answer: **False**

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Question Two:

1. If a systematic random sample is to be selected of size 100 from a population with 5,000 items, the first item selected from the ordered population will be:

a. randomly selected between 1 and 100.

b. randomly selected between 1 and 50.

c. any randomly selected value between 1 and 5,000.

d. item 50.

2. One difference between interval level data and ratio level data is:

a. ratio level data are in numerical order.

b. interval level data have a true zero.

c. ratio level data have a true zero.

d. None of the above.