

Solutions
King Fahd University of Petroleum & Minerals
Department of Mathematical Science
STAT-211-Term053-A

Name: _____ Quiz #1 _____ Section: _____
ID: _____ Serial: _____

Question One (5-Points)

Write **True** if the statement is true or **False** if not:

1. Any process that generates data as its outcome is called a statistics:--~~False~~
2. Open-End questions allow the respondent the freedom to respond with his opinion:--**True**
3. Conclusions obtained by census may contain errors more than it by a sample:--~~True~~
4. When using a stratified sample the population is divided into homogeneous subgroups:--**True**
5. Time series data is an ordered values observed over a fixed point of time:--~~False~~

Question Two :(3-Points)

What are the advantages of taking a sample instead of doing the census?

1. Less Costly than census
2. Less time = =
3. May contain less errors and give results with high precision.

Question Three: (2-Points)

Give one example only of the following:

1. Nominal variable:

Blood Type.

2. Ordinal variable:

Instructors Rank.

*** Solutions ***
King Fahd University of Petroleum & Minerals
Department of Mathematical Science
STAT-211-Term053-B

Name:

Quiz #1

Section:

ID:

Serial:

Question One (5-Points)

Write **True** if the statement is true or **False** if not:

1. Any process that generates data as its outcome is called a parameter: False
2. Closed-End questions allow the respondent the freedom to respond with his opinion: False
3. Conclusions obtained by a sample will not be accurate as it by census : False
4. When using a systematic sample the population is divided into homogeneous subgroups: False
5. Data comes from written surveys is a primary data: True

Question Two :(3-Points)

What are the advantages of taking a sample instead of doing the census?

1. Less Costly than census
2. Needs less time than census
3. May contain less errors and give results of a sufficiently high precision.

Question Three: (2-Points)

Give one example only of the following:

1. Ordinal variable:

Instructor's Rank.

2. Ratio variable:

Number of children per family.