

## \* SOLUTIONS \*

King Fahd University of Petroleum & Minerals  
Department of Mathematical Science  
STAT-211-Term052-A

Quiz #1  
ID:

Section:  
Serial:

Name:

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### Question One (10-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. The sample is a list of all items in the population: False
4. Conclusions obtained by census always more accurate than it by a sample: False
5. When using a stratified sample the population is divided into homogeneous subgroups: True
6. When selecting a simple random sample of size 4 from a population consists of 90 elements the number of digits will be 4: False
7. Data comes from mail questionnaires is a secondary data: False
8. Time series data is an ordered values observed over time: True
9. Qualitative data is a data whose measurements is categorical: True
10. The average of 20 students selected randomly from stat-211 students is a parameter: False

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### Question Two :( 6-Points)

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

1. It needs less time than census
2. = = less cost = =
3. It is possible to have less errors than census

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### Question Three: (4-Points)

Give one example only of the following:

1. Nominal data:

Ex: Marital Status

2. Ordinal data:

Instructors Ranks .

**\*SOLUTIONS\***

King Fahd University of Petroleum & Minerals  
Department of Mathematical Science  
STAT-211-Term052-B

Quiz #1

Section:

Name:

ID:

Serial:

Question One (10-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. A frame is a list of all items in the population:-----True
4. Conclusions obtained by census always more accurate than it by a sample:-----False
5. When using a systematic sample the population is divided into homogeneous subgroups:-----False.
6. When selecting a simple random sample of size 4 from a population consists of 90 elements the number of digits will be 4:-----False
7. Data comes from written surveys is a primary data:-----True
8. Time series data is an ordered values observed at a fixed point in time:-----False
9. Qualitative data is a data whose measurements is categorical:-----True
10. The average of 20 students selected randomly from stat-211 students is a parameter:-----False.

Question Two :( 6-Points)

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

1. Less time
2.  $\approx$  cost
3. May be more accurate, because it may contain less errors than census

Question Three: (4-Points)

Give one example only of the following:

1. Ordinal data:

Instructor Ranks

2. Interval data:

Temperature.