Chapter 1

1. What is the difference between population and sample?

The population is the complete set of items that interest an investigator. A sample is an observed subset of a population.

2. What is the difference between simple random sampling and systematic sampling?

Simple random sampling is a procedure where objects are randomly selected. Systematic sampling involves the selection of every jth item in the population.

3. What is the difference between a parameter and a statistic?

A parameter describes a specific characteristic of the population. A statistic describes a specific characteristic of a sample.

4. What are non-sampling errors?

The population actually sampled is not the relevant one. Participants can give inaccurate or dishonest answers. Participants give no response.

5. What is the difference between descriptive statistics and inferential statistics?

Descriptive is to to summarize and process data. Inferential focuses on using the data.

6. There are two forms of numeric variables, which one?

Discrete variables and continuous variables.

7. What is the difference between qualitative and quantitative data?

With qualitative data, there is no measurable difference in meaning between the numbers. With quantitative there is a measurable meaning to the difference.

Did you know... that as a JoHo member you can make use of discounts on gifts and articles for your study, travel and career in the JoHo support centers?

1

8. What levels of measurement are used for qualitative data?

Nominal and ordinal.

9. What levels of measurement are used for quantitative data?

Interval and ratio.

10. Which tables and graphs are mainly used for nominal level of measurement?

Bar chart, cross table, pie chart, pareto diagram.

11. Which graphs are mainly used to describe numerical variables?

Frequency distribution, histogram, ogive, stem-and-leaf display, scatter plot.

Did you know... that as a JoHo member you can make use of discounts on gifts and articles for your study, travel and career in the JoHo support centers?

2