

Introductory Concepts

Assignment: Heiman, Chapters 1 & 2

Terms you should know.

Statistics

Descriptive Statistics

Inferential Statistics

* Population

* Sample

Random Sample

Variable

* Nominal Scale

* Ordinal Scale

* Interval Scale

* Ratio Scale

Homework #1: Calculations and Concepts You Should Master.

Name: _____ (This is my work, and my work alone.)

1. Identify each of the following as being either Random or Non-Random.
 - a. You want to determine the feelings of students toward smoking in class so you select every sixth person who registers late for classes to interview.
 - b. You want to determine level of religious opinion toward divorce so you choose all members of your church to complete a questionnaire.
 - c. You want to assess the reaction times of collegiate badminton players so you get a list of all NCAA badminton teams and select all players who were born on odd numbered days.
2. Identify the type of scale that was used in each of the following.
 - a. A professor assigned consecutive numbers to students as they walked into the class room. What kind of scale was used here?
 - b. A man went into a clothing store and asked for a 36 inch belt. What kind of scale was used here?
 - c. One day the old woman who lived in a shoe decided to give each of her children a random number so she could identify them. What kind of scale did she use?
3. Round each of the following numbers to two decimal places.
 - a. 33.76412
 - b. 2.42319
 - c. 104.5555
 - d. 33.33333