Chapter 1 - One assignment sheet per group

Names:

Classify each of the following variables as qualitative or quantitative. Determine whether the quantitative variables are discrete or continuous. In addition, specify the level of measurement for each variable.

a. Education level  Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

b. Today’s high temperature
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

c. Daily intake of whole grains (measured in grams per day)
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

d. Number of vending machines at a school
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

e. Whether a student is prepared for class
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

f. Number of days per week a student eats lunch
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement

g. Name of a university
   Qualitative  Quantitative Discrete  Quantitative Continuous
   Level of Measurement
Identify the type of sampling used. (simple random, systematic, stratified, cluster, convenience)

a. A study was conducted at a university in Cairo, Egypt to determine the relationship between road risk perception and pedestrian injuries. The sample was taken from the list of student IDs. Every 40th student was selected, after starting with a randomly chosen number. What sampling scheme was used?

b. In a study of the health condition of residents of nursing homes, a simplerandom sample of all nursing homes in the city of Wenzhou was taken. All residents of the randomly selected nursing homes were interviewed. What sampling scheme was employed?

c. In a study of lung function, a simple random sample was taken from three groups of children: (i) children who live on a farm, (ii) children with intermediate farm exposure, and (iii) children with no farm exposure. Which sampling scheme was used?