POPULATION & SAMPLE. VARIABLE & DATA

1. Cluj County residents prefer to resort to specialized medical services in Cluj-Napoca, thus bypassing the place of residence services. This phenomenon most often affects small cities and can result in settlements for the abolition of health services. To determine why this "emigration" to health services in Cluj-Napoca is intended to initiate a study applying a questionnaire via the telephone network.
   Requests:
   a. Identify target population.
   b. Identify the available population.
   c. Identify the characteristics that should be pursued.
   d. For each identified characteristic specifies the type and scale of measurement.

   Solution:
   Target Population: population of Cluj County.
   Available population: people who have a subscription to a telephone service.
   Tracking feature:
   - Respondent age (numerical, continuous scale report)
   - Gender (qualitative, nominal scale)
   - Occupation (qualitative, nominal scale)
   - Education (qualitative, nominal scale ordinate)
   - Health service type (qualitative, ordinal scale)
   - Frequency of these services by calling (discrete metric, ratio if that response options are 1 month, 2 times per month, etc.., Qualitative ordinal scale where response options are never, rarely, rarely, often, very often)

2. City where is located the service most frequently calling (qualitative, nominal scale) A teacher want to assess the accumulation of knowledge of first year medical students at the middle of semester. 100 out of 350 students were selected and their knowledge were assessed.
   a. Students selected for this study are:
      i. Population
      ii. Statistics
      iii. Parameter
      iv. Sample
   b. In this study, students' knowledge level determined by the test given is:
      i. Statistics
      ii. Variable
      iii. Parameter
      iv. Sample
   c. The test scores of students are:
      i. Date
      ii. Sample
      iii. Statistics
      iv. Population
   d. The average score achieved by students in the test is:
      i. Parameter
      ii. Statistic
      iii. Variable
      iv. Date
   e. If you generalize the obtained result, we say that an inference to the:
      i. Date
      ii. Variables
      iii. Statistics
      iv. Population
   f. The average score obtained by students after the exam represent:
      i. Parameter
      ii. Variable
      iii. Date
      iv. Population