

Day 1 STA2023 Activity

Assume that the population consists of all students currently in your statistics class. We will be taking a sample of students and measuring some variables.

All questions related to ___ students registered for the STA2023 class:

- a) Give an example of a parameter,
- b) Give two examples of statistics,
For the following statistical variables: number of classes the student is registered this semester, age, gender, height, income, number of siblings, and country of origin.
- c) Classify variables as quantitative or categorical,
- d) Classify variables as discrete or continuous,
- e) Classify each variable by the level of measurement (Nominal, Ordinal, Interval, Ratio).
In order to take a sample of ten students (First, assign a number to each student in the roster):
- f) Generate ten random numbers, (TI84, Casio fx9750).
- g) Describe how you may take a “systematic” sample?
- h) Describe how you may take a “cluster” sample?
- i) Describe how you may take a “stratified” sample?