

VARIABLES AND SAMPLING METHODS

- Which of the following is an example of an ordinal variable?
 - Childhood diseases
 - Annually fees for health care
 - Pain scale (no pain, very mild, discomforting, tolerable, distressing, very distressing, intense, very intense, utterly/horrible, excruciating/unbearable, unimaginable/unspeakable)
 - The first three digits of your health care insurance number
 - Your favourite drops
- Which of the following is most likely a continuous quantitative variable?
 - The number of heart attacks of one person during the life
 - The number of surgical interventions performed in a hospital per day
 - Number of bacteria on a culture plate
 - Number of red blood cells
 - The time needed to perform a surgical intervention
- Which of the following are most likely discrete quantitative variable?
 - The number of heart attacks of one person during the life
 - The number of surgical interventions performed in a hospital per day
 - Number of bacteria on a culture plate
 - Number of red blood cells
 - The time needed to perform a surgical intervention
- The manager of a health insurance agency wishes to monitor the quality of life of persons with lumbar disk herniation. The manager applies on a randomly chosen sample the EORTC questionnaire and collected data related to type of treatment (surgical, physical therapy, chiropractic manipulation, heat and/or ice therapy, non-steroidal anti-inflammatory drugs, oral steroids, epidural injection), number of surgeries if any, and the type of surgery (microdiscectomy, microendoscopic surgery, etc.). What type of variable is "number of surgery"?
 - quantitative and discrete
 - quantitative and continuous
 - qualitative and discrete
 - qualitative and continuous
 - quantitative and nominal
- The manager of a health insurance agency wishes to monitor the quality of life of persons with lumbar disk herniation. The manager applies on a randomly chosen sample the EORTC questionnaire and collected data related to type of treatment (surgical, physical therapy, chiropractic manipulation, heat and/or ice therapy, non-steroidal anti-inflammatory drugs, oral steroids, epidural injection), number of surgeries, and the type of surgery (microdiscectomy, microendoscopic surgery, etc.). What type of variable is "type of treatment"?
 - quantitative and discrete
 - quantitative and continuous
 - qualitative and nominal
 - qualitative and ordinal
 - qualitative and dichotomial
- Which of the following is a qualitative variable?
 - health care annual contribution
 - weight
 - age
 - number of siblings
 - eye colour
- A study is done to determine the average salary for all Romanian cardiologists. If we were to pick the biggest hospitals in Cluj-Napoca, Bucharest, Iasi, Constanța and Timișoara and average together the salaries of all cardiologists, would this be a good sampling technique or a bad sampling technique?
- A sample consists of every 49th student from a group of 496 students is an example of _____ sample.
 - Random
 - Stratified
 - Cluster
 - Systematic
 - Convenience
- To avoid working late, a quality control analyst simply inspects the first 100 items produced in a day. This is an example of _____ sample.
 - Stratified
 - Random
 - Cluster
 - Convenience
 - Systematic