

Quiz Chapter 2 Problem 2

Problem. The president of a university sends surveys to and receives answers from all 21 board members to better understand their positions about upcoming budget issues. These 21 board members are

- a. a census.
- b. the population.
- c. an SRS of the board.
- d. a voluntary response sample.

Solution. Answers **c** and **d** are clearly wrong. The answer key says **a**, but it can't be right because "census" is a type of sampling (that aims to ask everybody), a procedure, and the 21 board members can't be "a procedure." What is left is **b**, and this is indeed an excellent answer, because each of the 21 board members is an individual in our statistical experiment, and since there are only 21 members on the board, all of them make up the population. The correct answer is **b**.