

Identifying Random and Bias Data Samples - Guided Lesson

Complete the following problems:

1) A University polled 1,000 students randomly selecting them proportional to the number of students enrolled in each of the branches of the engineering program. Describe each of the following sampling methods and decide which method you would advise the University to use.



- a. Simple Random Sampling
- b. Stratified
- c. Convenience
- d. Systematic
- e. Voluntary response

2) Which question is unbiased?

- a. Does the government have a right to enforce voting age for citizens?
- b. Do you think the weather in the month of June is always 25 degrees Celsius or greater?
- c. Do you prefer the Universities full time degree program or part time degree program?
- d. Do you think the government should be allowed to cut down trees to construct a metro railway line in the city?

3) Which question is biased?

- a. Do you have full time degree program at the university?
- b. Should there be a dress code in office?
- c. Do you prefer newspapers or news on television?
- d. Do you think new underground metro railway line should be built for local city transport?

