

CI 665 Sampling Exercise

You want to sample 100 UK students about their attitudes toward the UK Men's Football program since Coach Mark Stoops took over as the head coach. Please match each of the following labels with the example with which it best fits.

- | | | |
|--------------------------------|------------------------------|-----------------------------|
| <i>a. Simple random sample</i> | <i>b. Stratified sample</i> | <i>c. Systematic sample</i> |
| <i>d. Cluster sample</i> | <i>e. Convenience sample</i> | <i>f. Volunteer sample</i> |
| <i>g. Purposive sample</i> | <i>h. Quota sample</i> | <i>i. Network sample</i> |

1. Go to the registrar's *office*, get a list of all U.K. students. Assign each student a number from the random numbers table. Randomly select 100 students using that table.
2. You believe people who play sports will have the most interesting attitudes therefore you only survey people who play sports because you want to give the results to the athletic department to show student athlete support. _____
3. Get a list of all U.K. students. Assign each a number that comes from the random numbers table. 60 percent of the students on campus are male and 40 percent are female. Use the random numbers table to select 60 males and 40 females. _____
4. You decide to survey the students in the other classes you are taking and you do so until you have 100 completed questionnaires. _____
5. You ask for volunteers from among all your friends and then you run an advertisement in the campus paper and ask for more volunteers. _____
6. Get a list of all U.K. students. Assign each a number that comes from the random numbers table. Randomly select the first 1 to 2 digit number. Assume you randomly selected 24. Go down and select the 24th person, the 48th person, the 72th person . . . until you have 100 people.

7. 60% of the students on campus are male and 40% are female. Get the first 60 men you run into to fill out your survey and the first 40 women. _____
8. You don't have time to sample from all students so you begin by randomly selecting academic programs. You generate a list of all the academic programs, assign each a number, go to the random numbers table and select 6 programs. Get a list of all the classes offered in each program, assign each a number, randomly select from the random numbers table, and then select 10 classes to survey. Finally, you go in and survey the students in those 10 classes.
9. You give the survey to 10 friends and you ask each to have 10 people complete the survey and then return it to you. _____
10. Which 4 of these are the best if you want to have as high an **external validity** as possible?

