

Research Sampling Exercises

Read the following situations in each hereafter boxes and then answer the question(s) followed.

A researcher wants to conduct a research project about working mothers' knowledge about child abuse in Saudi Arabia.

1. What is the target population of this research project?

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2. What is the accessible population for this research project?

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3. What is the most suitable sampling technique that can be used to select the sample of working mothers to be involved in the study, give the reason?

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4. Use the selected sampling technique you decided in question 3 and state the steps for developing the sampling plan.

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A researcher wants to conduct a study about "Nurses' knowledge about diabetic foot infection". The study will be conducted in Riyadh City governmental hospitals (5 hospitals). The numbers of nurses working in these hospitals are as follow:

Hospital 1: 1000 nurses; Hospital 2: 700 nurses; Hospital 3: 600 nurses;
Hospital 4: 800 nurses; Hospital 5: 1200 nurses.

1. What type of research design the researcher should use? **(Choose one answer)**
 - a. Prospective correlational descriptive design.
 - b. Survey.
 - c. One-group pre & post-test design.
 - d. Time-Series design.

2. What is the sampling technique you recommend to him to select the sample? **(Choose one answer)**
 - a. Quota sampling technique.
 - b. Purposive sampling technique
 - c. Proportional stratified random sampling technique.
 - d. Network sampling technique.

3. Using the selected sampling technique, calculate the number of nurses (elements) to be involved in the sample. **(Put it in sequential steps).**

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Suppose the researcher has decided to use a systemic sampling technique to select a sample of 500 from nurses working in general wards in a big governmental hospital for a research project. The total number of nurses working in the hospital is 6000, only 3500 of them working in general wards. Can you help this researcher in this process by answering the following questions?

1. List the steps that you will follow to calculate this sample

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2. How will you select the first subject,

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3. Give how, and the number of, the second, third, and fourth subjects selected?

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