# Choose the Right Sampling Method

Notes for SHS • Topic 81 • All data are fictional • November 2026

## Simple random without replacement

A complete validated frame exists; every n-unit subset has equal chance; subgroup counts vary.

## Proportionate stratified

Known exhaustive nonoverlapping levels; random sample within each; planned subgroup allocation.

## Disproportionate stratified

Larger subgroup n needed for small groups; record unequal probabilities and use design weights.

## Systematic random start

Convenient ordered roster; inspect ordering and periodicity; uniform start.

## Cluster

Selecting whole classes or schools is different from drawing students independently within every level.

## Nonprobability

Volunteer/convenience samples can inform exploratory work but do not automatically support design-based population margins of error.