**Sampling Methods:**

**Random Sampling:** Each member of the population has an equal chance of being selected for the sample.

**Stratified Sampling:** The population is divided into subgroups (strata), and random samples are taken from each subgroup.

**Cluster Sampling:** The population is divided into clusters, and a random sample of clusters is selected for the study.

**Systematic Sampling:** Every nth member of the population is selected for the sample.

**Convenience Sampling:** Individuals are selected for the sample based on their availability or accessibility.

