

Sampling

Sampling is a technique of selecting a subset or sample of the population to make a statistical decision from the sample and estimating the whole population's characteristics.

Cluster Sampling :

Cluster analysis or **clustering** is the task of grouping a set of objects in such a way that objects in the same group (called a **cluster**) are more similar (in some sense) to each other than to those in other groups (clusters). It is more useful in EDA (Exploratory Data Analysis). Various algorithms are available for creating clusters for a set of populations.

In this method, the same type of people doesn't need to come under one cluster as it will be solely dependent on the parameters on which you will create a cluster. If you create a cluster based on marks of class 10th, Boys and girls can be in one cluster. One cluster could be above 80%, and other clusters will be 60%-80%, 40%- 60% and below 40%

