

Biased and Unbiased Samples

To get valid results, a sample must be chosen very carefully. An **unbiased sample** is selected so that it accurately represents the entire population. Two ways to pick an unbiased sample are listed below.

In a **biased sample**, one or more parts of the population are favored over others. Two ways to pick a biased sample are listed below.

Biased Samples		
Type	Description	Example
Convenience Sample	A convenience sample consists of members of a population that are easily accessed.	To represent all the students attending a school, the principal surveys the students in one math class.
Voluntary Response Sample	A voluntary response sample involves only those who want to participate in the sampling.	Students at a school who wish to express their opinions complete an online survey.

Examples from:

[Glencoe Georgia Math Volume 2 Grade 7 by McGrawHill Education](#)