

Types of Sampling:

Cluster

This methods takes a small group of the population and surveys every member of that group.

For example: If the teachers wanted to pick an incentive forthe whole 7th grade, they could take just Mrs. Silverthorn's homeroom and survey each person in the class.





This methods takes a large population and samples by a periodic interval.

For example: We could choose an incentive by asking every 7th person who walks off the bus in the morning.

Types of Sampling:



For this method, the researcher surveys anyone who is easily available. One way to do a convenience survey is to ask people to come to you.

For example: We could tell students on the morning announcements to come and participate in a survey.

Types of Sampling:

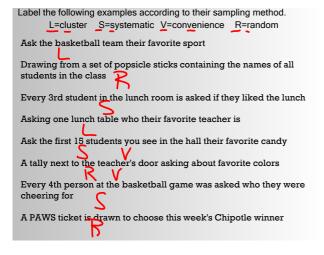


This is one of the best ways to conduct a survey. In arandom survey, each member of the population has an equal chance of being chosen.

For example: We could put names in a hat and pull out the people who would be surveyed.

Notes - Sampling Methods.notebook

February 12, 2018



Biased Sample: data was collected in such a way that some members of an intended population are less likely to be surveyed Example: Mrs. Goldman's homeroom is completing a survey but 3 students are absent Unbiased sample: data was collected in such a way that every individual or element in the population has an equal chance of being selected

Surveys and Bias

Example: Mrs. Goldman's homeroom is completing a survey and everybody is present

Mrs. Jones wants to know which sport 7th graders in the district like best. There are 7th graders in 6 different schools. She can collect data in one of the following ways. Identify each with it's proper vocab term.

Ask every 7th grade student at all 6 schools

Ask 7th grade boys at 3 of the schools Ask every other 7th grader at all 6 of the schools unbiased sample

If you were taking a survey of the different colors of leaves seen in September, which of the following would be an unbiased sample?

100 fallen leaves collected from the ground



100 leaves on tree branches



c.) 50 fallen leaves and 50 leaves on branches

50 fallen oak leaves and 50 oak leaves on branches

You want to estimate the number of 7th grade students that walk home right after school in the springtime. Which sample is unbiased?

a.) three 7th grade students randomly selected in the hallway before homeroom

7th grade members of the track team

d.)

every fifth 7th grader walking down the sidewalk after school

every fifth student from an alphabetical list of 7th graders