13 - 1 Sampling and Bias

sample: Smaller group from the whole

population: the whole group (usually unrealistic to survey everyone)

Random Samples

1.) simple random sample each item has an equal chance of being sclected 2.) stratified random sample form groups first, then select from groups 3.) systematic random sample chosen pased on an interval or time

Biased Samples

- 1.) convenience sample

 Survey people who are easily accessible
- 2.) voluntary response sample

only includes people who want choose to participate

Classify each type of sample.

Ex: Every 10th bolt is chosen off of the assembly line. 595+emotic

Ex: Mrs. York selects 15 student ID numbers from the computer.

Simple

Ex: A journalism student surveys her friends at lunch.

COUNTRYIGHCE

Identify each sample as biased or unbiased.

Ex: Every 10th customer in line for a rock concert is asked about his or her favorite band.

Ex: Every sophomore's name is written on identical slips of paper, and 12 are selected.