

Sampling Principles and Strategies

Colby Community College

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Note

It is often prohibitively expensive to collect data from every member of a population.

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In a journal article it was stated that there are 38 million carbon monoxide detectors installed in the United States. When 30 of them were randomly selected and tested, it was found that 12 of them failed an alarm in hazardous carbon monoxide conditions.

What is the population?

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Note

Such evidence may be true and verifiable, but it may only represent extraordinary cases.

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What kind of students do you think she might collect?

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Sample selection is often done by computer.

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Call-in polls, where people are asked to call a special number to register an opinion.

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97% of respondents said yes.

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57% of respondents said yes.

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