

AP Statistics

2019-01-11 Section 4.3 Using Studies Wisely

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Many studies do not randomly select experimental units at random from the larger population, limiting what inferences can be made.

An observational study that uses random sampling can make an **inference** about the population.

If the individuals were randomly assigned to groups, inferences about cause and effect can be made.

If the individuals themselves were randomly selected, inferences about the population can be made.