



Types of Studies and Randomization

Today's Standard

HSS.IC.B3 - Recognize the purposes of and differences among sample surveys, experiments, and observational studies; explain how randomization relates to each.

Cues	Notes
What are the types of statistical studies?	Types of statistical studies: sample surveys, experiments, observational studies.
Why is randomization important?	Randomization reduces bias and increases reliability.
How do sample surveys differ from experiments?	Sample surveys collect data from a subset of a population; experiments involve manipulation of variables.
What is an observational study?	Observational studies involve observing subjects without manipulation.

Summary

Understanding the different types of statistical studies and the importance of randomization is crucial for conducting reliable and valid research.