



## 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.