



Random Sampling and Inferences

Today's Standard

7.SP.A1 - Understand that statistics can be used to gain information about a population by examining a sample of the population; generalizations about a population from a sample are valid only if the sample is representative of that population. Understand that random sampling tends to produce representative samples and support valid inferences.

Cues	Notes
What is random sampling?	Random sampling is a method where every member of the population has an equal chance of being selected.
Why is a representative sample important?	A representative sample accurately reflects the characteristics of the population.
How can we avoid bias in sampling?	Bias in sampling can be avoided by using random sampling methods.
What is a population?	A population is the entire group that we want to learn about.
How do we make inferences from samples?	Inferences from samples are conclusions about the population based on the data collected from the sample.

Summary

Random sampling is crucial for making accurate inferences about a population. A representative sample avoids bias and ensures valid conclusions.