Estimating Population Parameters

Today's Standard

HSS.IC.B4 - Use data from a sample survey to estimate a population mean or proportion; develop a margin of error through the use of simulation models for random sampling.

Cues	Notes
Sample Survey	Sample Survey: A method of collecting data from a subset of a population.
Population Mean	Population Mean: The average of all values in a population.
Proportion	Proportion: The fraction of the population that has a particular characteristic.
Margin of Error	Margin of Error: A measure of the accuracy of an estimate.
Simulation Models	Simulation Models: Tools used to imitate the process of random sampling.
Random Sampling	Random Sampling: A method of selecting a sample in such a way that each member of the population has an equal chance of being chosen.

Summary

This standard involves using data from sample surveys to estimate population parameters and develop margins of error through simulation models. Key concepts include sample surveys, population mean, proportion, margin of error, and random sampling.