Sampling Error vs. Non-sampling Error

Mistakes Made
ouring sampling
process
even if we took a
consus
ex: Voluntary response
convenience sample
undercoverage
ex: response
bias

4.2a Observational Study: Observe individuals and collect data without imposing a treatment Experiment: purposely imposing a treatment and measuring the response Aused to prove cause/effect amount OF Seep College success H.S. math class party habits location Confounding: When it is impossible to separate the effects of 2 variables -> We try to prevent this when conducting an experiment

Basic Vocab of Experiments

Experimental Units: the individuals we experiment on If they are humans, we call them subjects.

Treatment(s): the specific condition
being applied to the individuals
Factor: the variable(s) that we are
testing (like explanatory variable)