

AP Statistics – Ch. 4

4.1 Sampling and Surveys

DEFINITION: Population, census and sample

DEFINITION: Sample survey

DEFINITION: Convenience sample

DEFINITION: Bias

DEFINITION: Voluntary response sample

DEFINITION: Random sampling

DEFINITION: Simple Random Sample (SRS)

Choosing a Simple Random Sample (SRS)

➤ **With Technology**

➤ **Using Table D**

DEFINITION: *Stratified random sample and Strata*

DEFINITION: Cluster sample and clusters

DEFINITION: Systematic random sampling

DEFINITION: Undercoverage

DEFINITION: Nonresponse

DEFINITION: Response bias

DEFINITION: Wording of questions

DEFINITION: Observational study

DEFINITION: Response variable

DEFINITION: Explanatory variable (or factor)

DEFINITION: Confounding

DEFINITION: Experiment

DEFINITION: Placebo

DEFINITION: Treatment, experimental units, subjects

DEFINITION: Factors, Levels

DEFINITION: Control Group

DEFINITION: Placebo effect

DEFINITION: Double-blind

DEFINITION: Single-blind

DEFINITION: Random assignment

DEFINITION: Control

DEFINITION: Replication

Principles of Experimental Design

DEFINITION: Completely randomized design

DEFINITION: Block and randomized block design

DEFINITION: Matched pairs design

4.3 Using Studies Wisely

DEFINITION: Sampling Variability

Sampling Variability and Sample Size

DEFINITION: Statistically significant

Scope of Inference