

Homework Assignments

1. Read Chapter 11 (pages 257 – 265)
Reading: Introduction [MSSS]
2. Pages 266 – 268 (1, 3, 5, 11, 19, 25, 34): **GRADED**
3. Read Chapter 12 (pages 270 – 288)
4. Pages 289 – 291 (1, 3, 13, 15, 18, 19)
Reading: Surveys [MSSS]
5. Pages 289 – 292 (6, 23, 24, 27, 30)
6. ESP IT: **GRADED**
7. Read Chapter 13 (pages 293 – 313)
Reading: Observational Studies [MSSS]
8. Reading: Experiments [MSSS]
9. Pages 313 – 316 (3, 5, 13, 17, 34): **GRADED**
10. Pages 314 – 317 (6, 9, 26, 29, 40)
11. Backhoes and Forklifts IT: **GRADED**

Vocabulary

Bias	Placebo effect	Sampling variability
Blinding	Population	Simple random sample (SRS)
Block	Population parameter	Simulation
Census	Principles of experimental design	Simulation component
Cluster sample	Prospective study	Single-blind, double-blind
Confounding	Random	Statistic, sample statistic
Control group	Random assignment	Statistically significant
Convenience sample	Random numbers	Stratified random sampling
Designs	Randomization	Systematic sample
Experiment	Representative	Treatment
Experimental units	Response	Trial
Factor	Response bias	Undercoverage
Level	Response variables	Voluntary response bias
Matching	Retrospective study	
Multistage sample	Sample	
Nonresponse bias	Sample size	
Observational study	Sample survey	
Outcome	Sampling frame	
Placebo		