




AP Stats Unit 5 Experimental Design Unit Sheet

VOCABULARY

- population
- sample
- sample survey
- bias
 - voluntary response
 - undercoverage
 - nonresponse
 - response
- randomization
- sample size
- census
- population parameter
- statistic (sample statistic)
- representative
- Sampling frame
- Sampling variability
- Samples
 - Simple Random Sample (SRS)
 - Convenience Sample
 - Stratified Random Sample
 - Cluster Sample
 - Systematic Sample
 - Multistage Sample
- Pilot
- Observational Study
- Retrospective Study
- Experiment
- Random Assignment
- Factor
- Response

22	23	24	25	26
		 12.1 Introduction to Sampling Jelly Blubbers HW: 5 (or more) vocabulary from Chapter 12		12.2 Notes HW: p289 (17-21)
29	30	31	1	2
12.3 Surveys HW: p 289-90 (23-26)	13.1 Vocabulary for Experiments HW: p 313 (1-4)	13.2 Diagrams for Experiments HW: p 313-4 (7, 21, 23, 25; 10, 22, 24, 26) = (7, 10, 21-26)		13.3 Blocking Dogs I HW: 315 (42-44)
 13.4 Blocking Dogs II HW: p 316 (46-47)	6 13.5 Experiment Day 1 HW: p319 (22-24)	7 HW: p 320 (29) plus worksheet	8 13.6 Experiment Day 2	9 Review for Unit Test HW: p 290 (31-34)
12 NO SCHOOL Veterans' Day	13 Review for Unit Test ALL HW DUE TOMORROW	14 Unit 5 Test	15	16 Go over Tests

- Experimental Units
- Level
- Treatment
- Principles of Experimental Design
 - Control
 - Randomize
 - Replicate
 - Block
- Statistically Significant
- Control Group
- Blinding
- Single-blind
- Double-blind
- Placebo



Video on Experimental Design



<http://bit.ly/2dtL9tc>

Video—Sampling Techniques & Bias



<http://bit.ly/1sHPnn6>

"All of life is an experiment. The more experiments you make, the better." - Emerson