2025-2026 AP Statistics Assignments

(see web site for reading guides, glossaries of important terms, notes, HW answers, and other goodies)

Graded Notes - Chapter is vocabulary intentensive!! It is important you understand the vocabulary, take notes, and come to class prepared to ask questions. See GC for the template 'Analyzing Experiments Study Guide.' MUST BE TYPED. NO PLAGIRISM! Randomly checked. TIP: Print Glossary of important terms.

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	4B	2O
4	0	4.1 Introduction, Sampling and Surveys, How to Sample Badly, How to Sample Well: Random Samples	• Identify the population and sample in a sample survey. •Identify voluntary response samples and convenience samples. •Explain how these bad sampling methods can lead to bias. • Describe how to use Table D to select a simple random sample (SRS).	Day0 **MM Videos Lesson 1 & 4**	Section 4.1 pgs 207-213 and take notes	29-Oct	30-Oct
4	1	4.1 Other Sampling Methods; Inference for Sampling, Sample Surveys: What Can Go Wrong? Activity 1: 4.1 Table D (IP:Review Sampling Methods, Types of Bias) Activity 2: Frappy's 2001q3, 2008q2	• Distinguish a simple random sample from a stratified random sample or cluster sample. Give advantages and disadvantages of each sampling method. • Explain how undercoverage, nonresponse, and question wording can lead to bias in a sample survey.	Day1 packet **MM Videos Lesson 2 & 3**	Finish Section 4.1 and take notes	31-Oct	3-Nov
Election Day - Nov 4th - No school							
4	2	4.1 Wrap Up Sampling and Types of Bias ***Activity 1: The Jelly Blubber Sampling Design Activity (absent students do Desmos version)*** ***Activity 2: Frappy's 2004Bq2 and 2010Bq***	**4.1 Notes graded - make sure they are posted to GC**	Finish Day 2 packet **MM Videos Lesson 6**	Section 4.2 pgs 231-240 and take note	5-Nov	6-Nov
4.1	add '25	Section 4.1 Online Quizizz (10Q's, timed, opens at 3pm and closed at midnight				6-Nov	
4	3	4.2 Observational Studies vs. Experiments, The Language of Experiments, How to Experiment Badly ***Activity 1: 4.2a Introduction to Experiments*** ***Activity 2: Frappy's 1998q3, 1999q3***	• Distinguish between an observational study and an experiment. *Identify the experimental units or subjects, explanatory variables (factors), treatments, and response variables in an experiment.	Finish Day 3 packet **MM Videos Lesson 7**	Section 4.2 pgs 240-243 and take note	7-Nov	10-Nov
Veteran's Day - Nov 11th - No school							
4	4	4.2 Experiments: How to Experiment Well with the 3 Principles of Experimental Design ***Activity 1: 4.2b (part 1 of 2) Designing Studies - 3 Principals*** ***Activity 2: TPS4e #'s 45, 47, 51,53, 67*** ***Activity 3: Frappy: 2006Bq5***	• Describe a completely randomized design for an experiment. • Explain why random assignment is an important experimental design principle. • Explain how a ~~lurking~~/extraneous variable in an observational study can lead to confounding.	Finish Day 4 packet **MM Videos Lesson 8**	Section 4.2 pgs 244-248 and take note	12-Nov	13-Nov
4	5	4.2 Key Principals for Experiments plus Blocking, Blinding ***Activity 1: 4.2b (part 2 of 2) Designing Studies*** ***Activity 2: TPS4e #'s 78, 79ab*** ***Activity 2: Frappy: 2000q5,2007q2***	• Distinguish between a completely randomized design and a randomized block design. • Explain the meaning and the purpose of blinding in an experiment.	Finish Day 5 packet	Section 4.2 pgs 249-252 and take note	14-Nov	17-Nov
4	6	4.2 Matched Pairs Design ***Activity 1: 4.2c Match Pairs*** ***Activity 2: TPS4e #'s 84&85 5, PLUS T4.14*** ***Activity 3: Frappy's 2002q2, 2004q2 (match pairs)***	**4.2 Notes graded - make sure they are posted to GC** • Know when a matched pairs experimental design is appropriate and how to implement such a design.	Finish Day 6 packet	Read Section 4.3 and take notese	18-Nov	19-Nov
4.2	add '25	Section 4.2 Online Quizizz (10Q's, timed, opens at 3pm and closed at midnight				19-Nov	
4	7	4.3 Scope of Inference ***Activity 1: Inference and Experiments(MM video)*** ***Activity 2: Scope of Inference (MM video and/or Desmos)*** ***Activity 3: Frappy: 2003q4, 2006q5***	· Explain in context what "statistically significant" means. •Determine the scope of inference for a statistical study. •Evaluate whether a statistical study has been carried out in an ethical manner.	Finish Day 7 packet **MM Videos Lesson 9 and 10**		20-Nov	21-Nov
4	8	**Chapter Review**: No review Class. I want a few days for school cancellations so we take this test prior to Thanksgiving		Ch4 TPS Practice Test (optional)		na	na
4	**9**	**Chapter 4 MC Test (in class, test corrections, closed book)**	**4.3 Notes graded - make sure they are posted to GC**	Read Section 5.1 and do #s 1, 3, 13, 17, 19		**24-Nov**	**25-Nov**
THANKSGIVING- NOV26-28							