2023-2024 AP Statistics Assignments

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

This Chapter is vocabulary intentensive!!!!!!!!!!!

• It is important you understand the vocabulary, take notes, and come to class prepared to ask & ANSWER questions.
• TIPS: Do Guided Notes while reading. Print and read Glossary of important terms. Make flashcards.

Graded NOTES (4x)- See Google Classroom for the template 'Analyzing Experiments Study Guide.' MUST TYPED. NO PLAGIRISM! Due day of test.

How to Sample Welf: Random Samples Explain how these bed sampling methods can lead to bias.	Chapter	Day	Topics	Objectives: Students will be able to	Homework	Reading	4B	
1 1. 1. 1. 1. 1. 1. 1.	4			Identify voluntary response samples and convenience samples. Explain how these bad sampling methods can lead to bias.	TPS4e	Section 4.1	24-Oct	
4 2 Describer Superiments How to Experiments (includes 1984) Activity 2: The Jelly Blubber Sampling Design Activity (absent students do desmos version) 4 2 Experiments: How to Experiment Well with the 3 Principles of Experimental Design Activity 2: The Jelly Blubber Sampling Design Activity (absent students do desmos version) 5 Describe a completely randomized design for an experiment. 4 Describe a completely randomized design for an experiment and units or subjects, explanatory variables (factors), transportant experiment and carried principles of Experimental Design Activity 1: Pransportant Experiments (activity 1: Pransportant Experiments) 4 Describe a completely randomized design for an experiment. 5 Explain how a-lunking-extraneous variable in an observational study can lead to confounding to confounding. 4 Describe a completely randomized design and a randomized block design. 5 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 6 Describe a completely randomized design and a randomized block design. 7 Describe a completely randomized design and a randomized block design. 8 Describe a completely randomized design and a randomized block design. 9 Describe a completely randomized design and a randomized block design. 10 Describe a complete randomized b	4	1	Inference for Sampling, Sample Surveys: What Can Go Wrong? <u>Activity 1: 4.1 Review Sampling Methods and Types of Bias</u>	cluster sample. Give advantages and disadvantages of each sampling method. • Explain how undercoverage, nonresponse, and question wording can lead to	27, 31, 33, 35, Complete & Grade Frappy's started in		26-Oct	
4 2 Experiments, How to Experiment Badly Activity 2: The Jelly Blubber Sampling Design Activity (absent students do desmos version) 4 2 Experiments: How to Experiment Well with the 3 Principles of Experimental Design Activity 2: The Jelly Blubber Sampling Design Activity (absent students do desmos version) 4 2 Experiments: How to Experiment Well with the 3 Principles of Experimental Design Activity 1: Pragry Discussion - 1998q3(w/4.2a), 1999q3(w/F's) 5 2000q3(w/F's) 4 2 Explain how a hutching/extraneous variable in an observational study can lead to conflouding to conflouding to conflouding and Activity 1: 4.2b Designing Studies 6 Explain why andom assignment is an important experimental design from the purpose of Explain why andom assignment is an important experimental design from the purpose of Explain why andom assignment is an important experimental design from the purpose of Explain why andom assignment is an important experimental design from the purpose of Explain why andom assignment is an important experimental design for an experimental desig	Quarter 1 ends October 27th							
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4 4 4.2 Key Principals for Experiments plus Blocking, Blinding Activity 1: 4.2b Designing Studies 4 5 4.2 Matched Pairs Design Activity 1: Match Pairs - TPS4e #'s 84&85 5, PLUS T4.14 5 Nov8(1/2 day) - Nov9(1/2 day) - Veteran's Day(Nov10 no school) Explain in context what "statistical study has been carried out in an ethical manner. Chapter Review: Activity: Practice Quiz Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class design. Explain the meaning and the purpose of blinding in an experiment. Finish 84, 85, T4.14 Complete & Grade: Frappy's 2002q2, 2004q2 (match pairs) Finish 84, 85, T4.14 Complete & Grade: Frappy's 2002q2, 2004q2 (match pairs) 7-Nov9(1/2 day) - Veteran's Day(Nov10 no school) Explain in context what "statistical study. Explain in context what "statistical study. Evaluate whether a statistical study has been carried out in an ethical manner. Chapter 4 MC handou Ch4 TPS Practice Test Complete Guided Notes - post to GC Complete Frappy's Complete Guided Notes - post to GC Complete Frappy's Complete Guided Notes - post to GC Complete Frappy's Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class	4	3	of Experimental Design Activity 1 Frappy Discussion - 1998q3(w/4.2a), 1999q3(w/F's)	 Explain why random assignment is an important experimental design principle. Explain how a lunking/extraneous variable in an observational study can lead 	62 (do NOT carry out RA), 63 Complete & Grade Frappy's 1998q3,		nov1 (ER)	
** Activity 1: Match Pairs - TPS4e #'s 84&85 5, PLUS T4.14* Nov8(1/2 day) - Nov9(1/2 day) - Veteran's Day(Nov10 no school) **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.** Chapter Review: **Activity 1: Scope of Inference (discussion and Desmos)** Chapter 4 MC handou Ch4 TPS Practice Test Complete Guided Notes - post to GC Complete Frappy's (activity: Practice Quiz Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class **Row when a matched pairs experimental design is appropriate and how to implement such a design. Complete & Grade: Frappy's 2002q2, 2004q2 (match pairs) 103, 105, 106 Complete and Grade: Frappy's 2003q4, 2006q5, 2007q2, 2006Bq5 Chapter 4 MC handou Ch4 TPS Practice Test Complete Guided Notes - post to GC Complete Frappy's 2003q4, 2006q5, 2007q2, 2006Bq5 Activity: Practice Quiz Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class Read Section 5.1 and do #s 1, 3, 13, 17, 19	4	4		design.	, ,		3-Nov	
Explain in context what "statistically significant" means. 103, 105, 106 Complete and Grade: Frappy's Evaluate whether a statistical study has been carried out in an ethical manner. Chapter Review: Activity: Practice Quiz Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class Explain in context what "statistically significant" means. 103, 105, 106 Complete and Grade: Frappy's 2003q4, 2006q5,2007q2, 2006Bq5 Chapter 4 MC handou Ch4 TPS Practice Test Complete Guided Notes - post to GC Complete Frappy's Read Section 5.1 and do #s 1, 3, 13, 17, 19	4	5			Complete & Grade: Frappy's 2002q2,		7-Nov	
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	4 8 Chapter 4 Test - Guided Notes(4x) and Frappy's(6x) due this class					16-Nov		
THANKSGIVING- NOV22-26 (off)								