

2023-2024 AP Statistics Assignments

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

Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	4B	
7	4	7.3 The Sampling Distribution of a Sample Mean <i>ACTIVITY: 7.3 Chips Activity for Mean Sampling Distributions (AND SUMMARY HANDOUT)</i>	<ul style="list-style-type: none"> Find the mean and standard deviation of the sampling distribution of a sample mean from an SRS of size n. Explain how the shape of the sampling distribution of \bar{x} is related to the shape of the population distribution 	1) Do SM video 7.3A 2) Summarize 7.3 Chip Activity NG: 49, 51, 56, 57, 59, 63	Section 7.3 Notes Req'd prior to class	30-Jan	
7	5	7.3 The Central Limit Theorem <i>ACTIVITY 1: 7.3 Problem Set for Sampling Distributions for Sample Means with FRAPPY's (1998q1, 2007q3, 2010q2)</i> -> Plus selected book problems	<ul style="list-style-type: none"> Calculate probabilities involving a sample mean when the population distribution is Normal. Use the central limit theorem to help find probabilities involving a sample mean 	1) Do SM video 7.3B 2) Complete 7.3 Activity Frappy's		1-Feb	
7	6	<i>ACTIVITY - CH6/7 Wrap up</i> -> Ch,7 Study Guide -> Selected book problems		see below		5-Feb	
8	0	8.1 Understanding Confidence Intervals and Confidence Levels: Constructing, Interpreting, and Conditions <i>Garfield Video (10min)</i>	<ul style="list-style-type: none"> Interpret a confidence level in context. Interpret a confidence interval in context. Understand that a CI gives a range of plausible values for the parameter. Understand the 3 inference conditions for CI's (1) <u>R</u>andom; (2) <u>N</u>ormal; (3) <u>I</u>ndependence Explain how issues like nonresponse, undercoverage, & response bias can affect the interpretation of a CI 	1) Read Section 8.1 2) Complete 8.1 Guided Notes 3) Watch Garfield Video Link on my website		5-Feb	
7	7	<i>ACTIVITY: CHAPTER 7 REVIEW</i> -> Ch.7 AP Practice Test (FINISH FOR HW)		1) AP Practice Test 2) Ch7 REVIEW (p.458) R7.1 to R7.7		2/8 (ER)	
7	8	Chapter 7 Test (70min time limit)					9-Feb
8	0.5	Watch after Test: Garfield Video (10min). See GC for assignment question. https://drive.google.com/file/d/1eKDtYUt7cN0zaVeBcqWxVkBGNdc9b2Km/view?usp=sharing					9-Feb

February Vacation (Feb. 19-23)