

## 2024-2025 AP Statistics Assignments

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

Chapter 7 Guided Notes (1) required HW for each section and may be checked prior to starting the section. (2) Notes can be typed. Templates are on my web site.  
(3) Notes MUST be ontime, complete and neat to receive ANY credit ! Each section is 3 HW grades.

Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	2O	4B
7	0	<b>Day 0 -Introduction to Sampling Distributions</b>		<b>Day0</b> MM 7.1 Video	Section 7.1 p.416-421 and Guided Notes #'s 1-6	31-Jan	3-Feb
7	1	<b>Day 1 - 7.1 Sampling Distributions</b>  * Activity 1: 7.1 PPT Intro Sampling Distributions  * Activity 2: 7.1 Bean Counters	<ul style="list-style-type: none"> <li>•Distinguish between parameters &amp; statistics</li> <li>• Understand the definition of a sampling distribution.</li> <li>•Distinguish between population distribution, sampling distribution, &amp; distribution of sample data.</li> </ul>	<b>Day1 Activity &amp;</b> <b>MM 7.2 Video</b> <b>(Unbias estimator)</b>	Finish Section 7.1 and Guided Notes	4-Feb	Feb5 (ER)
<b>SNOW DAY: FEB6</b>							
7	2	<b>Day 2 - 7.1 Bias and Variability</b>  * Activity: German Tank Simulation	<u>7.1 Sampling Distributions Concepts</u> <ul style="list-style-type: none"> <li>•Determine whether a statistic is an unbiased estimator of a population parameter.</li> <li>• Understand the relationship between sample size and the variability of an estimator.</li> </ul>	<b>Day2Activity &amp;</b> <b>MM 7.3 Video</b> <b>(phat)</b>	Complete Section 7.2 and Guided Notes	10-Feb	feb7 B4 new lead class
7	3	<b>Day 3 - 7.2 Sampling Distribution for Proportion</b>  * Activity: 7.2 Understanding Sampling Distributions for Proportions	<ul style="list-style-type: none"> <li>• Find the mean and standard deviation of the sampling distribution of a sample proportion for an SRS of size n from a population having proportion p of successes</li> <li>•Check Conditions - whether the 10% and Normal conditions are met in a given setting.</li> <li>• Use Normal approximation to calculate probabilities involving phat</li> <li>• Use the sampling distribution of phat to evaluate a claim about a population proportion.</li> </ul>	<b>Day3 Activity &amp;</b> <b>MM 7.5 Video</b> <b>(xbar)</b>	Section 7.3 p.442-448 and Guided Notes #'s 1-9	12-Feb	11-Feb
7	4	<b>Day 4 - 7.3 Sampling Distribution for Means</b>  * Activity: 7.3 Chips Activity for Sampling Distributions for Means	<ul style="list-style-type: none"> <li>• Find the mean and standard deviation of the sampling distribution of a sample mean from an SRS of size n.</li> <li>•Explain how the shape of the sampling distribution of is related to the shape of the population distribution</li> </ul>	<b>Day4Activity &amp;</b> <b>MM 7.6 Video</b> <b>(CLT)"</b>	Finish Section 7.3 and Guided Notes	14-Feb	13-Feb
<b>February Vacation (Feb. 17-21)</b>							
7	5	<b>Day 5 - 7.3 The Central Limit Theorem</b>  * Activity 1: 7.3 Understanding Sampling Distributions for Means	<ul style="list-style-type: none"> <li>•Calculate probabilities involving a sample mean when the population distribution is Normal.</li> <li>• Use the central limit theorem to help find probabilities involving a sample mean</li> </ul>	<b>Day5 Activity &amp;</b>  <b>FRAPPY's (1998q1,</b> <b>2007q3, 2010q2 )</b>		25-Feb	24-Feb
7	6	<b>Day 6 - Review Day 1</b> * CW Activity: TPS #'s 7.35, 7.56, 7.63, * HW Activity: TPS #5,6,19, 20, 29, 49, 51, 53,59		<b>Day6 Activity &amp;</b> <b>Study for Chapter 7 Test</b>		27-Feb	26-Feb
7	7	<b>Day 7 - Review Day 2</b> * CW Activity: TPS Ch7 Practice Test (pg459) * HW Activity: TPS Ch7 Review (pg458 R7.1 to R7.7)	<b>Study Tip: Do the Chapter 7 Computer-Based- TPS5 Video Practice Problems</b>	<b>Day7 Activity &amp;</b> <b>Study for Chapter 7 Test</b>		3-Mar	28-Feb
7	8	<b>Chapter 7 Quizizz (20 questions, 1/2 period, full redemption)</b>		See CH8 assignment sheet		Mar5 (ER)	4-Mar