

## 2023-2024 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 collected 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	4B
<b>MIDTERM: Chapters 1-6</b>				Complete 6.3 Frappy's	Section 7.1 Notes Req'd prior to class	<b>18-Jan</b>
7	1	7.1 Sampling Distributions  <i>ACTIVITY: 7.1 Bean Counters (Sampling Distributions of pHAT)</i>  Stat Medic Intro "Lesson 7.1 Day 1" (start-finish for hw)	<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>1) Finish SM video for HW</b> <b>2) Start Study for Ch6 Quiz</b>  <b>NG: TPS #'s 1,5,6,10</b>	Section 7.2 Notes Req'd prior to class	<b>22-Jan</b>
6	6	<b>Chapter 6 Independent Review</b> It will be graded. See me if you have any questions	<b>Ch.6 AP Review (R6.1-R6.3)</b> <b>Ch.6 AP Practice Test (T6.11-T6.14)</b> <small>AND MC Handout with #'s 27-30, 65, 66, 101, 102, 105, T6.1-T6.10</small> <b>Study Frappy's</b>			<b>due day of quiz</b>
7	2	7.2 The Sampling Distribution of a sample proportion  <i>ACTIVITY: 7.2 Understanding Sampling Distributions for Proportions</i>	<u><b>7.1 Sampling Distributions Concepts</b></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>1) Do SM video 7.1Day2</b> <b>2) Study for Ch6 Quiz</b>  <b>NG: TPS #'s 17-20, 29, 33,35,37,41</b>		<b>24-Jan</b>
6	7	<b>Chapter 6 Quiz - Only Free Response - No Test Corrections - 1/2 period time limit</b>				<b>26-Jan</b>
7	3	cw: Stat Medic Video "Lesson 7.2 Proportions" (start-finish for hw)  <b>Note: This is a long videos and make sure to take outstanding notes</b>	<b>7.2 Sampling Distribution of a Sample Proportion :</b> <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>Do SM video 7.2</b>  <b>Note: This is a long videos and the basis for what will be doing the rest of the year.</b> <b>Take good notes</b>		