2021-2022 AP Statistics Assigments

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

Chapter 7 Guided Notes will be required HW for _each section_.   Note Templates are on my web site in MSWord and can be typed.
Notes MUST be _ontime_, complete and neat to receive ANY credit ! Each Chapter is 3 HW grades.
Or Option 2: Complete 5 StatMedic Handouts for Unit 5 Videos - Videos 1-3, 5-6 (skip 2-sample videos)

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	7/8O
7	0	**Cumulative Chapter Test 1-6 (aka midterm)** Extra Credit for Q3. Counts double test. 40%MC (20+3) and 60%FRQ(3)		**7.1 TPS Pgs 413-422 /Notes #1-7 PLUS 7.1 HW (book) #'s 1,5,6,10**		24-Jan
7	1	7.1 Sampling Distributions **Stat Medic Intro "Lesson 7.1 Day 1" start (page 1)** *ACTIVITY: 7.1 Bean Counters (Sampling Distributions of pHAT)* **Stat Medic Intro "Lesson 7.1 Day 1" (finish pg2, watch SM Uunit 5 Video 1)**	•Distinguish between parameters & statistics • Understand the definition of a sampling distribution. •Distinguish between population distribution, sampling distribution, & distribution of sample data.	**7.1 HW #'s 17-20,28 (finish Lesson 7.1 Day 1)**	**Finish Section 7.1 Reading and Notes**	26-Jan
7	2	**Stat Medic 7.1 Wrap Up "Lesson 7.1 Day 2 (page 1)"** **7.2 The Sampling Distribution of a sample proportion** *ACTIVITY: 7.2 Understanding Sampling Distributions for Proportions* **Stat Medic Wrap Up "Lesson 7.1 Day 2" (finish pg2, watch SM Uunit 5 Video 2)**	**7.1 Sampling Distributions Concepts** •Determine whether a statistic is an unbiased estimator of a population parameter. • Understand the relationship between sample size and the variability of an estimator. **7.2 Using the Normal Approximation for the Sampling Distribution of a Sample Proportion :** • 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 •Check Conditions - whether the 10%&Normal conditions are met in a given setting. • Use Normal approximation to calculate probabilities involving phat • Use the sampling distribution of phat to evaluate a claim about a population proportion.	**7.2HW #'s 29, ~~33, 34, 37 sample size~~ 35 and 41)** **PLUS (finish Lesson 7.1 Day 2)**	**Section 7.2 Reading and Notes**	28-Jan
7	3	**7.3 The Sampling Distribution of a Sample Mean** *ACTIVITY: 7.3 Chips Activity for Mean Sampling Distributions*	· 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 is related to the shape of the population distribution	**Get caught up on activities and bookwork**	**Section 7.3 Reading and Notes**	1-Feb
7	4	7.3 The Central Limit Theorem **Review 7.3 Key Learnings** (pvg notes) *ACTIVITY: Understanding Sample Means with FRAPPY's (1998q1, 2007q3, 2010q2)*	•Calculate probabilities involving a sample mean when the population distribution is Normal. • Use CLT to help find probabilities involving a sample mean	**7.3 HW #'s 49&59, 56, 57, 63 PLUS (finish Frappys**		3-Feb
7	5	**CH 7 Review** *ACTIVITY : Ch.7 AP Practice Test (MC and FROs)*	**Study Tip:** Posted Self-Directed Ch7 Review - TPS5 Video Practice Problems	**Ch7 REVIEW (p.458) R7.1 to R7.7**		7-Feb
7	6	**Chapter 7 Test (collect Review IP and Chapter Notes)**		**See CH8 assignment sheet**		9-Feb
		February Vacation (Feb. 21-25)				