2022-2023 AP Statistics Assigments

(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	1/20
SNOWDAY						
6	na	6.3G2 ACTIVITY - Geometric RV's		95,96,97,99	Due 1st class in Q3	
6	na	FRAPPY's (2010q4, 2011Bq3, 2003q3)			Due 2nd clas	s in Q3
<u>Chapter 7 Guided Notes</u> will be required HW for <u>each section</u> . Note Templates are on my web site in MSWord and can be typed. Notes MUST be <u>ontime</u> , complete and neat to receive ANY credit ! Each section is 3 HW grades.						
7	1	7.1 Sampling Distributions ACTIVITY: 7.1 Bean Counters (Sampling Distributions of pHAT) Stat Medic "Lesson 7.1 Day 1" (start-finish for hw)	 Distinguish between parameters & statistics Understand the definition of a sampling distribution. Distinguish between population distribution, sampling distribution, & distribution of sample data. 	1) Complete 7.1 Guided Notes 2) Watch SM to finish activity 3) Work on 7.1/7.2 book problems	Section 7.1	25-Jan
7	2	7.2 The Sampling Distribution of a sample proportion ACTIVITY: 7.2 Understanding Sampling Distributions for Proportions Stat Medic "Lesson 7.1 Day 2" (start-finish for hw)	 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 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% and 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. 	 Complete Guided Notes Watch SM to finish activity Work on 7.1/7.2 book problems 	Section 7.2	27-Jan
7	3	7.3 The Sampling Distribution of a Sample Mean ACTIVITY: 7.3 Chips Activity for Mean Sampling Distributions PVG - handout key learnings for this activity	 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 	Complete 7.3 Guided Notes 7.1 HW #'s 1,5,6,10 - due next class 7.2 HW #'s 17-20, 29, 33,35, 37,4 1 - due next class	Section 7.3	31-Jan
7	4	7.3 The Central Limit Theorem ACTIVITY: 7.3 Problem Set for Sampling Distributions for Sample Means with FRAPPY's (1998q1, 2007q3, 2010q2)	 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) 7.3 HW #'s 49, 51, 56, 57, 5 9, 63 2) complete frappy's		1-Feb
7	5	CH 7 Review ACTIVITY : Ch.7 AP Practice Test (complete inclass)	Study Tip: Do the Chapter 7 Compter-Based- TPS5 Video Practice Problems	Ch7 REVIEW (p.458) R7.1 to R7.7		6-Feb
7	6	Chapter 7 Test		Study for Chapter 6 Quiz		8-Feb
6	10	Chapter 6 Review Class (come with questions)	Ch.6 AP Review p408-409 #'s R6.1-6.8 Ch6 AP Practice Test #'s T6.11-T6.14			10-Feb
6	11	Chapter 6 Quiz (FRQ's only) -1/2 period	Note: Quizzzes do NOT have Test Corections	See CH8 assign	ment sheet	14-Feb
February Vacation (Feb. 20-24)						