2019-2020 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	7/8B	1/2O
8	0	8.1 Understanding Confidence Intervas and Confidence Levels: Constructing, Interpreting, and Conditions **Garfield Video (10min)** https://drive.google.com/file/d/0B5GJz7h-lQ-CaVpWcXFiVkFfQ0U/view	• 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)**R**andom; (2)**N**ormal;(3)**I**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 https://drive.google.com/file/d/1eKDtYUt7cN0zaVeBcqwXVkBGNdc9b2Km/view?usp=sharing		11-Feb	12-Feb
8	1	8.2 Conditions for Estimating *p* , Constructing a Confidence Interval for *p* ***Activity 1: 8.1 Mystery Mean - CI Basics*** ***Activity 2: Finish 8.1 Notes***	• Construct and interpret a CI for a population p. • Do ALL steps to constructing a CI for a population proportion: define parameter; check conditions; perform calculations; interpret results in context.	**Re-watch Garfield Video** & 1, 5, 15, **(mc)21-24**	Section 8.2 & Complete 8.2 Guided Notes	14-Feb	24-Feb
		SNOW DAY - FEB13		**February Vacation (Feb. 17-21)**			
		SKIP ACTIVITY SAVE TIME - 8.2 Activity - Magic Bean Contest					
8	2	8.2 Putting It All Together: Construct a Confidence interval for p; Choosing the Sample Size **8.2 Activity -** **Understanding Confidence Intervals for p**	• Determine critical values for calculating a confidence interval using a table or your calculator. • Determine the sample size required to obtain a level *C* confidence interval for a population proportion with a specified margin of error. • Understand how the ME of a CI changes with the sample size and the level of confidence *C* . • Understand the 3 inference conditions—R, N, & I	27-31, 33, 36, 38, 41, 44 **(mc) 49–52**		25-Feb	26-Feb
8	3	8.3 Introduction to Mean CI and find sample size *Dropped topic 1-Sample z-Interval for μ* **• 8.3a Intro to CIs for μ and find sample size for means** **• NEW 8.3 Day 1 StatMedic - Oreo example**	~~• Dropped topic 1-Sample z-Interval for μ -(Construct and interpret a confidence interval for a μ when σ is known)~~ • Determine the sample size required to obtain a level *C* CI for a population mean with a specified ME	Complete Oreo WS	Section 8.3 & complete 8.3 Guided Notes	27-Feb	28-Feb
		•DELETED Activity: 8.3 Letters per Word	• Dropped topic- construct and interpret a CI for a μ when **σ is known**				
8	4	8.3 Constructing a Confidence Interval for μ when σ is Unknown: The t Distributions, **•Classwork: 8.3b Activity - t-distribution & CI for μ**	• Carry out the steps in constructing a CI for a μ when **σ is NOT known** • Understand the 3 inference conditions—R, N, & I	56, 57, 60, 63, 67, 73, **(mc) 75–78**		2-Mar	3-Mar
8	5	CH 8 Wrap-Up cw: AP Classroom - Chapter8 CI's MC practice test	FRAPPY's (2018Bq2, 2013q2, 2013q1) - 3HW grades - MUST grade, correct, & Reflect on Chief Reader Report	Ch.8 AP Practice Test AND Ch.8 Frappy's		4-Mar	5-Mar
		FRAPPY's (2018Bq2, 2013q2, 2013q1) due day of Chapter 8 Quiz/Test- 3HW grades - must grade, correct, & Read Chief Reader Report					
8	X	NO Chapter 8 Test	~~12MC(2 free) -50pts; 3 FRQs-50pts)~~	Cumulative Chapter 8-10 Test (2x)			
8	5½	Chapter 8 MC Quiz - 30 Minute time limit, 12 questions, 4 points each, test corrections apply		Start Ch9		6-Mar	9-Mar
		Friday, Mar6th - Winter Carnival -40min classes					