2023-2024 AP Statistics Assignments

(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	4B
8	0	8.1 Understanding Confidence Intervals and Confidence Levels: Constructing, Interpreting, and Conditions ~~Garfield Video (10min)~~	• 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	Complete 8.1 Guided Notes		5-Feb
7	8	**Chapter 7 Test (70min time limit)**				**9-Feb**
8	0.5	**8.1 Class Activity:** (1) Garfield Video (10min). (2) Take notes (a minimum of 1 page front and back) (3) Answer question in GC.		1) Complete GC Garfield Video assignment **2) Do SM video 8.1A**		**9-Feb**
8	1	http://www.brunswick.k12.me.us/pgroves/files/2024/02/AP-Stats-Chapter-8-Assignments-2024.pdf *Activity 1: 8.1 Mystery Mean - CI Basics (DESMOS)*		**Do SM video 8.1B** NG: 1, 5, 15, (mc)21-24	Complete 8.2 Guided Notes	13-Feb
8	2	8.2 Conditions for Estimating p, Constructing a Confidence Interval for p *Activity 1: Wrap up 8.1 CI basics* *Activity 2 - 8.2 handout (sections 1-III) Understanding Confidence Intervals for p*	• Determine critical values for calculating a confidence interval using a table or your calculator. • Construct and interpret a CI for a population p. • Understand the 3 inference conditions—R, N, & I	**SM video 8.2A & SM video 8.2B** NG: 27-31, 33, 36, 38, 41, 44 (mc) 49–52		15-Feb
		February Vacation (Feb. 19-23)				
		SKIP ACTIVITY SAVE TIME - 8.2 Activity - Magic Bean Contest				

over

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		FRAPPY's (2013q1, 2017q2, 2018Bq2 PLUS 2008Bq3, 2010q3) - 2 Frappy's will be on your Quiz - Read the Chief Reader Report				
Chapter	**Day**	**Topics**	**Objectives: Students will be able to…**	**Homework**	**Reading**	**4B**
8	3	8.2 Putting It All Together: Construct a CI for p; Choosing the Sample Size **Activity 1 - Finish 8.2 handout "CIs for p"** **Activity 2 - 8.2 Partner Quiz**	· Do ALL steps to constructing a CI for a population proportion: define parameter; check conditions; perform calculations; interpret results in context." • 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.		Complete 8.3 Guided Notes	26-Feb
8	4	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**	~~• 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	**SM video 8.3A** **Work on Frappy's**		28-Feb
		●DELETED Activity: 8.3 Letters per Word	· Dropped topic- construct and interpret a CI for a µ when σ is known			
8	5	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	**SM video 8.3B** NG: 56, 57, 60, 63, 67, 73, (mc) 75–78		1-Mar
8	6	**CH 8 Review** -FRQ's Ch8 Practice Test		**Ch.8 AP Practice Test (book)** **Study Frappy's - 2 will be on Quiz** NG: AP Stats Ch8 Independent Review on my website		5-Mar
8	7	Ch8 Quiz - 40min time limit - MC(12MC, 6 pts each, 1-freeby) - 2 Frappys (32pts) - NO test corrections		**Start Ch9**		7-Mar
		Thursday, Mar7th - Winter Carnival - 40min classes				