2019-2020 AP Statistics Assigments

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

IMPORTANT NOTE: This an important chapter! Read sections as assigned. TIP: take notes (guided notes are on my website)!

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	7/8B	1/2O
9	½	9.1 The Reasoning of Significance Tests, Stating Hypotheses, Interpreting *P*-values, Statistical Significance *[start] 9.1a Activity - Hypotheses Basics*	• State correct hypotheses for a significance test about a population proportion(p) or mean(μ). • Interpret *P*-values in context. **Video: "The Most Simple Introduction to Hypothesis Testing! - Statistics Help"** **https://youtu.be/UApFKiK4Hi8**	1, 3, 7, 9 **watch video**	Section 9.1 pg 528-540, 545	**mar6 (40min)**	**9-Mar**

Section 9.1 is a VERY important section to master the concepts! Make sure to study Type 1 and 2 Errors.

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	7/8B	1/2O
9	1	9.1 Type I and Type II Errors *[finish] 9.1a Activity - Hypotheses Basics* **TIP: do FRQ 2003#2**	• Interpret a Type I error and a Type II error in context, and give the consequences of each. **Khan Academy:** **1) Introduction to Type I and Type II errors: https://youtu.be/Hdbbx7DIweQ** **2) Type 1 errors: https://youtu.be/EowIec7Y8HM** **3) Examples identifying Type I and Type II errors: https://youtu.be/JNOWWJeZBTc**	11, 13, ~~15,~~ 19, 21 **watch Khan.A** **(finish 9.1a ws)**	Section 9.2 pgs549-556	**10-Mar**	**11-Mar**

5 FRAPPY's due day of Chapter 9 Q/Test- 3HW grades - must grade & correct (Tip: Start early ans pace yourself.)

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	7/8B	1/2O
9	2	9.2 Carrying Out a Significance Test for a proportion *9.2a Activity - 1-Sides Significance Tests for p* **TIP: do FRQ 2005#4**	• Conduct a 1-sided significance test for p • Check conditions for carrying out a test about a population proportion (p)	~~33, 37,~~ 41*, 43a, 45* *use template **(finish 9.2a ws)**	Section 9.2 pages 556-561	**12-Mar**	**16-Mar**
9	3	9.2 Two-Sided Tests, Confidence Interval, and Errors *9.2b Activity - Two-Sided Tests vs. Confidence Interval* **TIP: do FRQ's 2010#3 and 2010b#4**	• Conduct 2-sided test for p • Understand connection between 2-sided tests and confidence interval	49*, 51, ~~53, 55*~~ *use template **(finish 9.2b ws)**	Section 9.3 pages 565-573	**17-Mar**	**mar18 (1/2 day)**
9	4	9.3 Carrying Out a Significance Test for μ The One Sample *t* Test, Two-Sided Tests and Cis *9.3a Activity - Significance Tests and CIs for μ -* **TIP: do FRQ 2009b#5**	• Check conditions for a test about a population mean (μ) • Conduct a one-sample *t* test about a population mean μ • Use a confidence interval to draw a conclusion for a two-sided test about a population mean.	71*, ~~73*,~~ 75*, **77a** *use template **(finish 9.3a ws)**	Section 9.3 pgs 574-576, pgs 581-587	**19-Mar**	**20-Mar**
		~~9.3 Significance Tests for Paired Data~~	**MOVE TO CHAPTER 10**				
9	5	**CH 9 Wrap-Up** *9.1b Power Activity - Power of a test(FRQ '03#2)* *Technology: Investigating Power with an Applet* *http://www.rossmanchance.com/applets/power.html*	**9.1 Power of a Statistical Test** • Understand the relationship between the significance level of a test(α), *P* (Type II error), and power. **Khan Academy:** **5) Examples thinking about power in significance tests: https://youtu.be/XnYUFgfbvm4** **6) Test yourself. Do the questions in "Consequences of errors and significance"**		Section 9.1 pgs 541-545 and/or **Watch KhanA**	**23-Mar**	**24-Mar**
		CH 9 Review cw: AP Classroom - Chapter 9 MC practice test		Ch.9 AP PTest (skip 12) & mc#s 27-30, 57-60, 99-104			
9	X	**NO Chapter 9 Test**	-	**Cumulative Chapter 8-10 Test (2x)**			
9	6	**Ch9 MC Quiz - 30 Min. time limit, 12 questions, 5 pts each, 2-freebies, test corrections apply**		**Start Ch10 (1/2 period)**		**25-Mar**	**26-Mar**