2014-2015 AP Statistics Assigments

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

For each FRQ - (1) time yourself 12-min and only use your calculator and green sheet;
THEN use a different color pen (2) score the FRQ; and (3) correct it so it is a perfect 4 for you to use to study for the AP Exam

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	5/6O	1/2B
10	0	10.1 The Sampling Distribution of a Difference Between Two Proportions	• Describe the characteristics of the sampling distribution of Difference Between Two Proportions • Calculate probabilities using the sampling distribution of Difference Between Two Proportions	1, 3, 5, 7, 9	Section 10.1	17-Mar	18-Mar
10	1	10.1 Confidence Intervals for $p_1 - p_2$ **10.1a Activity - Notes Comparing 2 Proportions**	• Determine whether the conditions for performing inference are met. • Construct and interpret a confidence interval to compare two proportions.	11, 13, 15, 17 *FRQ 2009bQ3*		20-Mar	23-Mar
10	2	10.1 Significance Tests for $p_1 - p_2$ **10.1b Activity - 2 Sample TOH for Proportions**	• Perform a significance test to compare two proportions. • Interpret the results of inference procedures in a randomized experiment.	21, 23, 35, 39, 41	Section 10.2	24-Mar	25-Mar (1/2 day)
10	3	10.2 The Two-Sample t-Statistic, Confidence Intervals for µ1-µ2 **10.2a Activity - Notes Comparing 2 Means**	• Describe the characteristics of the sampling distribution of Difference Between Two Means • Calculate probabilities using the sampling distribution of Difference Between Two Means • Determine conditions • to compare two means based on summary statistics. • compare two means from raw data. • computer output for two-sample t procedures.	37, 43, 45, 51 *FRQ's 2004bQ4 2007bQ5*		26-Mar	27-Mar
10	4	10.2 Significance Tests for µ1- µ2 **10.2b Activity - 2 Sample TOH for Means** **NO Chapter 10 Review**	• Perform a significance test to compare two means. • Check conditions for using two-sample t procedures in a randomized experiment. • Interpret the results of inference procedures in a randomized experiment. • Determine the proper inference procedure to use in a given setting.	53, 57, 59 ,65 *FRQ's 2006Q4 2007Q4*		30-Mar	31-Mar
10	5	FULL PERIOD FOR TEST AND QUESTION 6 BONUS **Chapter 10 Test** Bonus (8pts 25 minutes) - Question 6 Investigation Problem comes predominantly from chapter 9		#1	Section 11.1	1-Apr	2-Apr