2013-2014 AP Statistics Assigments

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

TIP: Chapter 11 will be a very good review of graphing. Remember CUSS and BS.

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	5/6O	1/2B
11	1	11.1 The Chi-Square Goodness-of-Fit Test **11.1 M&M Activity** ***Technology: Chi-Square Goodness-of-Fit Tests on the Calculator***	· Know how to compute expected counts, conditional distributions, and contributions to the chi-square statistic. · Check the Random, Large sample size, and Independent conditions before performing a chi-square test. · Use a chi-square goodness-of-fit test to determine whether sample data are consistent with a specified distribution of a categorical variable. · Examine individual components of the chi-square statistic as part of a follow-up analysis.	1, 3, 5, 7, 9, 11, 15, 25	Section 10.2 pgs 696-702	3-Apr	4-Apr
11	2	11.2 Chi-Square Test for Homogeneity ***11.2a Activity - Chi-Square Test for Homogeneity***	· Check the Random, Large sample size, and Independent conditions before performing a chi-square test. · Use a chi-square test for homogeneity to determine whether the distribution of a categorical variable differs for several populations or treatments. · Interpret computer output for a chi-square test based on a two-way table. · Examine individual components of the chi-square statistic as part of a follow-up analysis. **TBD:** ~~Show that the two-sample z test for comparing two proportions and the chi-square test for a 2-by-2 two-way table give equivalent results. Question #43.~~	27, 29, 31, 33, 35, ~~43~~ **and Complete Class Handout**	Section 10.2 pgs 703-724	7-Apr	8-Apr
11	3	11.2 The Chi-Square Test of Association/Independence ***11.2b Activity - Chi-Square Test of Independence***	· Check the Random, Large sample size, and Independent conditions before performing a chi-square test. · Use a chi-square test of association/independence to determine whether there is convincing evidence of an association between two categorical variables. · Interpret computer output for a chi-square test based on a two-way table. · Examine individual components of the chi-square statistic as part of a follow-up analysis.	45, 49, 51 **and Complete Class Handout**		9-Apr	10-Apr
11	4	Chapter 11 Review ***Activity: MC Practice Test and Frappy's***	· Distinguish between the three types of chi-square tests.	**Complete/ Grade FRQ's**		11-Apr	14-Apr
11	**5**	**Chapter 11 Test**		**Section 12.1 Read and take notes**		**15-Apr**	**16-Apr**