2017-2018 AP Statistics Assigments

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

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

In-class work will not be collected; however I recommend you complete them to prepare for our last Test.

Chapter	Day	Topics	Objectives: Students will be able to…	Homework	Reading	7/8B	1/2O
11	0	Introduction to the Chi-Square (X^2) Test		#1, 3 ~~, 25~~	Section 11.1	26-Apr	27-Apr
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, & contributions to the chi-square (X^2) statistic. · Check the Random, Large sample size, and Independent conditions before performing a X^2 test. · Use a X^2 goodness-of-fit test to determine whether sample data are consistent with a specified distribution of a categorical variable. · Examine individual components of the X^2 statistic as part of a follow-up analysis.	**5, ~~7,~~ 9,** **11A, ~~15,~~ 17,** ~~27(11.2a)~~	Section 11.2 pgs 696-702	30-Apr	1-May
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 X^2 test. · Use a X^2 test for homogeneity to determine whether the distribution of a categorical variable differs for several populations or treatments. · Interpret computer output for a X^2 test based on a two-way table. · Examine individual components of the X^2 statistic as part of a follow-up analysis.	**27, 29, 31, ~~33,~~ 35**	Section 11.2 pgs 703-724	2-May	3-May
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 X^2 test. · Use a X^2 test of association/independence to determine whether there is convincing evidence of an association between two categorical variables. · Interpret computer output for a X^2 test based on a two-way table. · Examine individual components of the X^2 statistic as part of a follow-up analysis.	45, 49, 51		4-May	7-May
11	4	Chapter 11 Review *Activity: MC Practice Test and* *TBD… Frappy's discussed in class- 2008q5, 2003q5, 2009q1*	Frq's: 2008q5, 2003q5, 2011Bq4, 2009q1, 2010Bq5, ~~2004q5~~	**Complete/ Grade FRQ's**		8-May	May 9 ½ day
11	5	**Chapter 11 Test**				10-May	11-May

Lit and Lang morning exam MAY 9th	**AP Biology morning exam MAY 14th**
Calc AB & BC morning exam MAY 15th	**Stats afternoon exam MAY 17th**