

2017-2018 AP Statistics Assignments

(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 (χ^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 <i>Technology: Chi-Square Goodness-of-Fit Tests on the Calculator</i>	<ul style="list-style-type: none"> Know how to compute expected counts, conditional distributions, & contributions to the chi-square (χ^2) statistic. Check the Random, Large sample size, and Independent conditions before performing a χ^2 test. Use a χ^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 χ^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 <i>11.2a Activity - Chi-Square Test for Homogeneity</i>	<ul style="list-style-type: none"> Check the Random, Large sample size, and Independent conditions before performing a χ^2 test. Use a χ^2 test for homogeneity to determine whether the distribution of a categorical variable differs for several populations or treatments. Interpret computer output for a χ^2 test based on a two-way table. Examine individual components of the χ^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 <i>11.2b Activity - Chi-Square Test of Independence</i>	<ul style="list-style-type: none"> Check the Random, Large sample size, and Independent conditions before performing a χ^2 test. Use a χ^2 test of association/independence to determine whether there is convincing evidence of an association between two categorical variables. Interpret computer output for a χ^2 test based on a two-way table. Examine individual components of the χ^2 statistic as part of a follow-up analysis. 	45, 49, 51		4-May	7-May
11	4	Chapter 11 Review <i>Activity: MC Practice Test and TBD... Frappy's discussed in class- 2008q5, 2003q5, 2009q1</i>	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				