

ASSIGNMENT SHEET

Class A.P. Statistics

Name _____

Quiz/Notebook Due Dates: Fri Mar 29, Thurs Apr 11

Unit # 11

Period _____

Unit Title: Inference for Distributions of Categorical Data

Date Assigned	Lesson Number	MAIN IDEAS (Topics & Learning Targets)	In-class points (preparedness, WU, Notes, active learning)	ASSIGNMENT (Practice problems)	Assignment points (complete, work shown)
Fri 3/22	Review	Cumulative Review <ul style="list-style-type: none"> Review concepts from Chapters 1-10 	No notes; quiz day	Cumulative AP Practice Test #3 (The rest was assigned after Ch.9...) AP3.13-15, 20-30, 32, 34-35 (p. 668-73)	
Mon 3/25	11.1a	Chi-Square Goodness of Fit Tests <ul style="list-style-type: none"> 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. 		11.1a #1-6, 19-20, 23-25	
Tues 3/26	11.1b			11.1b #7, 9-11, 14	
Wed 3/27	11.1c			11.1c #18, 21-22, 26	
Thurs 3/28	11.2a	What am I good at this week? What do I still need to work on?		Review: R11.1 (p. 731) T11.1, 4-6, 11 (p.733) + write weekly summary	
Fri 3/29	Quiz 11.1	Goal(s) for next week:	Weekly Summary	11.2a #27, 29, 31, 61-64	Points on next page...

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Fri 3/29	11.2a	Inference for Relationships <ul style="list-style-type: none"> 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. 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. Use a chi-square test of association/independence to determine whether there is convincing evidence of an association between two categorical variables. 	Notes points on previous page...	11.2a #27, 29, 31, 61-64 (repeated from front page; don't do it twice!)	
Mon 4/8	11.2b			11.2b #33, 35-37, 39, 41, 43	
Tues 4/9	11.2c			11.2c #45, 47-49, 51, 53-60	
Wed 4/10	Review	What am I good at this week? What do I still need to work on? Goal(s) for next week:		Review: R11.2-6 (p. 731) T11.2-3, 7-10, 12-13 (p.733) + write weekly summary	
Thurs 4/11	Quiz 11.2		Weekly Summary	Mixed Inference Step 1 (see handout)	
Fri 4/12	Review	<u>Start Final Review!!</u> See study guide for tips...	Group work in class	Mixed Inference Step 2 (see handout)	Points on next sheet...