

2014-2015 AP Statistics Assignments

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

Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	5/6O	1/2B
9	1	9.1 The Reasoning of Significance Tests, Stating Hypotheses, Interpreting P -values, Statistical Significance <i>9.1a Activity - Hypotheses Basics</i>	<ul style="list-style-type: none"> State correct hypotheses for a significance test about a population proportion(p) or mean(μ). Interpret P-values in context. 	1, 3, 5, 7, 9, 11, 13, 15	Section 9.1 Read and take notes	24-Feb	25-Feb
9	2	9.1 Type I and Type II Errors, and the Power of a Statistical Test <i>9.1b Activity - Power of a test(FRQ '03#2)</i> <i>9.1 Technology: Investigating Power with an Applet</i> http://www.rossmanchance.com/applets/power.html	<ul style="list-style-type: none"> Interpret a Type I error and a Type II error in context, and give the consequences of each. Understand the relationship between the significance level of a test, P (Type II error), and power. 	19, 21, 23 and Quiz 9.1C handout	Section 9.2 pages 549-556	26-Feb	27-Feb
9	3	9.2 Carrying Out a Significance Test for a <i>9.2a Activity - 1-Sides Significance Tests for p (plus FRQ '05#4)</i> <i>• Review Type I, Type II and Power - Complete</i> <i>9.1 Technology Investigation</i>	<ul style="list-style-type: none"> Check conditions for carrying out a test about a population proportion (p) Conduct a 1-sided significance test for p Review Type I, Type II and Power 	33, 37 , 41*, 43, 45* *use template	Section 9.2 pages 556-561	2-Mar	3-Mar
9	4	9.2 Two-Sided Tests, Confidence Interval, and Errors <i>9.2b Activity - Two-Sided Tests vs. Confidence Interval</i> <i>(plus FRQ '10#3 and '10b #4)</i>	<ul style="list-style-type: none"> Conduct 2-sided test for p Understand connection between 2-sided tests and confidence interval 	49*, 51, 53, 55* *use template	Section 9.3	4-Mar	5-Mar
9	5	9.3 Carrying Out a Significance Test for μ The One Sample t Test, Two-Sided Tests and Confidence Intervals <i>9.3a Activity - Significance Tests and Confidence Intervals for μ (FRQ '03#1 and '09b #5)</i>	<ul style="list-style-type: none"> Check conditions for a test about a population mean Conduct a one-sample t test about a population mean μ Use a confidence interval to draw a conclusion for a two-sided test about a population mean. 	71*, 73*, 75*, 77 *use template Complete/Grade		6-Mar	9-Mar
9	6	9.3 Inference for Paired Data <i>9.3b Activity - Significance Tests for Paired Data (FRQ '07#4)</i> <i>Chapter 9 Review(time permitting)</i>	<ul style="list-style-type: none"> Recognize paired data and use one-sample t procedures to perform significance tests for paired data. 	89*, 94-97 *use template and Chapter 9 AP Practice Test		10-Mar	11-Mar
9	7	Chapter 9 Test	<i>MC Practice Test</i>		Section 10.1	12-Mar	16-Mar