

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	1/2B	5/6O
2	0 (post test)	2.1 Introduction, Measuring Position: Percentiles, Cumulative Relative Frequency Graphs, Measuring Position: z-scores	<ul style="list-style-type: none"> Use percentiles to locate individual values within distributions of data. Interpret a cumulative relative frequency graph. Find the standardized value (z- score) of an observation. Interpret z- scores in context.	1, 5, 7, 9a-b, 11, 13	Section 2.1	8-Sep	5-Sep
2	1	2.1 Transforming Data, Density Curves <i>Activity - 2.1A Explore Cum. Freq. Plot</i> <i>Activity 2.1B - Intro to Z-Scores and Normal Distribution</i> <i>Activity - 2.1C Wolf STAT Company</i>	<ul style="list-style-type: none"> Describe the effect of adding, subtracting, multiplying by, or dividing by a constant on the shape, center, and spread of a distribution of data. Approximately locate the median (equal-areas point) and the mean (balance point) on a density curve. 	19, 21, 23, 31, and 33-38	Section 2.2	10-Sep	9-Sep
2	2	2.2 Normal Distributions, The 68-95-99.7 Rule, The Standard Normal Distribution <i>Activity - 2.2A The Empirical Rule (68-95-99.7)</i> <i>Activity - 2.2B Finding area under a Normal Distributions</i>	<ul style="list-style-type: none"> Use the 68–95–99.7 rule to estimate the percent of observations from a Normal distribution that fall in an interval involving points one, two, or three standard deviations on either side of the mean. Use the standard Normal distribution to calculate the proportion of values in a specified interval. Use the standard Normal distribution to determine a z- score from a percentile. Using Table A 	Complete Activities PLUS 41, 43, 45, 47, 49, 51		12-Sep	11-Sep
2	3	2.2 Normal Distribution Calculations and Assessing Normality <i>Activity - 2.2C Solving Problems with the Normal Distributions</i> 2.2 NOT COVERED-->Normal Probability Plots on the Calculator	<ul style="list-style-type: none"> Use TI84 to find the percentile of a value from any Normal distribution and the value that corresponds to a given percentile. Make an appropriate graph to determine if a distribution is bell-shaped. Use the 68-95-99.7 rule to assess Normality of a data set. Interpret a Normal probability plot (not on AP exam) 	53, 54, 55, 61, 63, 69-74		16-Sep	15-Sep
2	4	<i>Activity - 2.2 Warm Up Problem</i> Chapter 2 Review	Introduction to FRAPPY's - CHAP1: 2005q1 & 2010Bq1(COMPLETE FOR HW) CHAP2: 2008q1 & 2011q1(COMPLETE FOR HW)	Chapter 2 AP Practice Test		18-Sep	17-Sep
2	5	Chapter 2 Test				22-Sep	19-Sep