2013-2014 AP Statistics Assigments

(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
2	0 (post test)	2.1 Introduction, Measuring Position: Percentiles, Cumulative Relative Frequency Graphs, Measuring Position: z-scores	• 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	pgs 83-91	6-Sep	9-Sep
2	1	2.1 Transforming Data, Density Curves *Activity: The Wolf STAT Company*	• 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	pgs 92-104	10-Sep	11-Sep
2	2	2.2 Normal Distributions, The 68-95-99.7 Rule, The Standard Normal Distribution, *Activity: Standard Normal Curve Calculations with AP GREEN SHEET and with an Applet*	• 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.	41, 43, 45, 47, 49, 51	pgs 110-130	12-Sep	13-Sep
2	3	2.2 Normal Distribution Calculations, *Technology: Normal Curve Calculations with the Calculator*	• Use Table A to find the percentile of a value from any Normal distribution and the value that corresponds to a given percentile.	53, 55, 57		16-Sep	17-Sep
2	3	2.2 Assessing Normality *Activity: Unemployment Example (pg 125)* NOT COVERED--><s>*Normal Probability Plots on the Calculator*</s>	• 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. • <s>Interpret a Normal probability plot (not on AP exam)</s>	61, 63a-b-d, , 69-74 <s>skipped 65, 66,68</s>			
2	4	Chapter 2 Review	FRAPPY's in class	Chapter 2 AP Practice Test		18-Sep	19-Sep
2	5	Chapter 2 Test		39^{R}, 40^{R}, 75^{R}, 76^{R}		20-Sep	23-Sep

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