2021-2022 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	7/8B
Starting 2019 - Z-Scores must ALWAYS be calculated to get full credit.						
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	Section 2.1 - **Complete section before we cover in class. See my website for guided note templates**	10-Sep
2	1	2.1 Describing Location and Cum. Freq. Plots ***Activity - 2.1A Explore Cum. Freq. Plot*** ***Activity 2.1B - Intro to Z-Scores and Normal Distribution***	• 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.	11, 13 and **2.1 Wolf Stat (front page)**		14-Sep
2	2	2.1 Transforming Data, Density Curves ***Activity - Wrap Up 2.1C 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 MC33-38	Section 2.2	16-Sep
2	2	2.2 Normal Distributions, The 68-95-99.7 Rule **Activity - 2.2A The Empirical Rule (68-95-99.7)**	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.	Complete Activity		16-Sep
2	3	2.2 (cont) Normal Distributions, The Standard Normal Distribution ***Activity - 2.2B Finding area under a Normal Distributions***	• 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 Activity PLUS 41, 43, 45, (47& 49 Sketch & Use calc!!), 51		20-Sep
2	4	2.2 Normal Distribution Calculations and Assessing Normality ***Activity - 2.2C Solving Problems with the Normal Distributions*** 2.2 NOT COVERED-->Normal Probability Plots on the Calculator	• 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, 63, MC69-74 **Starts Frappy's** (read 1st 2 pages)		22-Sep
2	5	**Chapter 2 Review** ***Activity - Chapter 2 Practice Q/T*** ***Activity - Frappy's (complete 2 in-class)***	***Introduction to FRAPPY's -*** ***CHAP1: 2005q1 & 2010Bq1(COMPLETE FOR HW)*** ***CHAP2: 2006Bq1 & 2008q1(COMPLETE FOR HW)***	**Complete Chapter 1&2 Frappy's (For each: 12min, score, correct)** Chapter 2 AP Practice Test		24-Sep
2	**6**	**Chapter 2 Test**		**1, 3, 9, 10**	**Section 3.1**	**28-Sep**