## 2022-2023 AP Statistics Assignments

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

## Note:

- \* This chapter will be split due to the Holiday Break.
- \* There will be a Q-Test prior to break on 6.1 and 6.2. If there is a snow day(s), The Q-Test will be canceled and only have a full Chapter 6 Test.
- \* The Midterm will cover Chapters 1-6

#	Day	Topics	Objectives: Students will be able to	Homework	Reading	#REF!
6	0	Chapter 6 Introduction. 6.1 Discrete random Variables, Mean (Expected Value) of a Discrete Random Variable	<ul> <li>Use a probability distribution to answer questions about possible values of a random variable(RV).</li> <li>Calculate the mean of a discrete RV.</li> <li>Interpret the mean of a RV in context.</li> </ul>	Complete 6.1 Guided Notes	Section 6.1	8-Dec
FRAPPY's (2001q2, 2002q3, 2008bq5) due day of 6.1&6.2 Test - 3HW grades - must grade & correct (Tip: Start early and pace yourself.)						
6	1	6.1 Standard Deviation (and Variance) Discrete RV's, Continuous RV's  ACTIVITY: 6.1 includes Technology: Analyzing RV's on the Calculator (page 348)	<ul> <li>Calculate the standard deviation of a discrete RV.</li> <li>Interpret the standard deviation of a RV in context.</li> </ul>	1,2,5,7,9, 11,15, 19,23, 24 (complete 6.1 WS for HW)	Section 6.2 p.358-363	12-Dec
6	2	6.2 Transforming Random Variables ACTIVITY: 6.2A Transforming RV's includes HW Problem #48	Describe the effects of transforming a RV by adding or subtracting a constant and multiplying or dividing by a constant.	25, 37, 41, 45, 49, 50, 51 (complete 6.2a WS for HW)	Finish Section 6.2	14-Dec
6	3	6.2 Combining Random Variables, Combining Normal ACTIVITY: 6.2B Combining RV's	<ul> <li>Find the mean and standard deviation of the sum or difference of independent</li> <li>Determine whether 2 RVs are independent.</li> <li>Find probabilities involving the sum or difference of independent Normal RVs.</li> </ul>	43,57 (refer to #14), 63 (complete 6.2b WS for HW)		16-Dec
6	4	6.1 and 6.2 Review Independent Practice	If a snow day then due 1st class after break	5, 9, 19, 23, 39, 40, 42, 47, 58 (refer to #57)		20-Dec
6	5	6.1 & 6.2 Q/Test(1/2 Test) Frappy's due		Extra day to complete assignments		22-Dec
6	na	Contest "The 12 Days of Statistics" Due to Snow Days did not get through Section 6.3		NO HW. HAPPY HOLIDAYS		
Holiday Break DEC23-JAN2						