

2013-2014 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
6	0	Chapter 6 Introduction. 6.1 Discrete random Variables, Mean (Expected Value) of a Discrete Random Variable	<ul style="list-style-type: none"> Use a probability distribution to answer questions about possible values of a random variable. Calculate the mean of a discrete random variable. Interpret the mean of a random variable in context. 	1, 2, 5, 7	Read 6.1 & take notes	15-Nov	18-Nov
6	1	6.1 Standard Deviation (and Variance) Discrete RV's, Continuous RV's <i>Technology: Analyzing RV's on the Calculator (page 348)</i> ACTIVITY: 6.1	<ul style="list-style-type: none"> Calculate the standard deviation of a discrete random variable. Interpret the standard deviation of a random variable in context. 	9, 11, 15, 19, 23, 24, 25, 37, 39	READ 6.2 p.358-363 and take notes	19-Nov	20-Nov
6	2	6.2 Transforming Random Variables ACTIVITY: 6.2A Transforming RV's (included HW Problem #48)	<ul style="list-style-type: none"> Describe the effects of transforming a random variable by adding or subtracting a constant and multiplying or dividing by a constant. 	40, 41, 42, 43, 45, 47, 48	Finish 6.2 & take notes	21-Nov	22-Nov
6	3	6.2 Combining Random Variables, Combining Normal Random Variables ACTIVITY: 6.2B Combining RV's	<ul style="list-style-type: none"> Find the mean and standard deviation of the sum or difference of independent random variables. Determine whether two random variables are independent. Find probabilities involving the sum or difference of independent Normal random variables. 	49, 50, 51, 57, 58, 63	READ 6.3 p.382-393 & take notes	25-Nov	26-Nov
6	4	QUIZ 6.1 to 6.2				2-Dec	3-Dec
6	4	6.3 Binomial Settings and Binomial Random Variables, Binomial Probabilities, <i>ACTIVITY: Binomial Activity</i>	<ul style="list-style-type: none"> Determine whether the conditions for a binomial random variable are met. Compute and interpret probabilities involving binomial distributions. 	69-72, 75, 76, 78, 80	p.393-397 & take notes	2-Dec	3-Dec
6	5	6.3 Mean & StDev. of a Bin. Distrib., Binomial Distrib. in Statistical Sampling ACTIVITY: TBD	<ul style="list-style-type: none"> Calculate the mean and standard deviation of a binomial random variable. Interpret these values in context. 	81, 83, 85, 87, 88, 91	Finish 6.3	4-Dec	5-Dec
6	6	6.3 Geometric Random Variables, <i>ACTIVITY: Geometric Activity</i> <i>AP Practice Test (complete for HW)</i>	<ul style="list-style-type: none"> Find probabilities involving geometric random variables. 	95, 96, 97, 99 Complete Practice Test		6-Dec	9-Dec
6	7	Chapter 6 Review	FRAPPY's (TBD: _____)	Chapter 6 REVIEW (p.408-409)		10-Dec	11-Dec
6	8	Chapter 6 Test		#s 1,3,5,6,7	Section 7.1	12-Dec	13-Dec