

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	5/6O	1/2B
7	0	<i>Introduction: 7.1 Parameters & Statistics</i>	<i>Distinguish between parameters & statistics</i>	<i>#'s 1,3,5,6</i>	<i>Section 7.1</i>	<i>16-Dec</i>	<i>17-Dec</i>
7	1	7.1 Sampling Distributions <u>7.2 INTRODUCTION:</u> 7.2 The Sampling Distribution of $\hat{p}$ <u>ACTIVITY:</u> Required Guided Notes for Sections 7.1 Sampling Distributions and Section 7.2 Sampling Proportions	- Understand the definition of a sampling distribution. - Distinguish between population distribution, sampling distribution, & distribution of sample data. - Determine whether a statistic is an unbiased estimator of a population parameter. - Understand the relationship between sample size and the variability of an estimator.	Complete 7.1 & 7.2 Guided Notes		18-Dec	19-Dec
<u>Holiday Break DEC20-JAN4</u>							
Cumulative Take Home Test (Chapters 1-6; Multiple Choice)					DUE:	5-Jan	6-Jan

(over)

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	5/6O	1/2B
7	2	7.1 Sampling Distributions 7.2 The Sampling Distribution of a sample proportion <u>ACTIVITY</u>: 7.1 Bean Counters	Find the mean and standard deviation of the sampling distribution of a sample proportion for an SRS of size n from a population having proportion p of successes	<u>Section 7.1</u> 10, 12, 17-20 <u>Section 7.2</u> 28,29,33,34	Section 7.2	5-Jan	6-Jan
7	3	7.2 Using the Normal Approximation for the Sampling Distribution of a Sample Proportion <u>ACTIVITY</u>: 7.2 Understanding Sample Proportions	- Check Conditions - whether the 10% and Normal conditions are met in a given setting. - Use Normal approximation to calculate probabilities involving $\hat{p}$ - Use the sampling distribution of $\hat{p}$ to evaluate a claim about a population proportion.	<u>Section 7.2</u> 35, 37, 41 <u>Section 7.3</u> 49, 51, 53	Section 7.3	7-Jan	8-Jan
7	4	7.3 The Sampling Distribution of a Sample Mean 7.3 The Central Limit Theorem <u>ACTIVITY</u>: 7.3 Sampling Distributions for Sample Means	- Find the mean and standard deviation of the sampling distribution of a sample mean from an SRS of size n. - Calculate probabilities involving a sample mean when the population distribution is Normal. - Explain how the shape of the sampling distribution of $\bar{x}$ is related to the shape of the population distribution - Use the central limit theorem to help find probabilities involving a sample mean $\bar{x}$	<u>Section 7.3</u> 56, 57, 59, 60, 63, 69-72	Section 7.3	9-Jan	12-Jan
7	5	Chapter 7 Review <u>ACTIVITY</u>: 7.3 Understanding Sample Means and FRAPPY's	FRAPPY's (1998q1, 2007q3, 2010q2)	Chapter 7 REVIEW (p.458-459)		13-Jan	14-Jan
7	6	Chapter 7 Test	Test will be CANCELED in the case of a snow storm in January			15-Jan	16-Jan

MIDTERM: Chapters 1-7

2 Free Response-40% and 35 multiple choice-60% (www.brunswick.k12.me.us/pgroves/files/2012/04/AP-Statistics-Midterm-Format.pdf)

Study Tips: www.brunswick.k12.me.us/pgroves/home/ap-statistics/882-2/