

2023-2024 AP Statistics Assignments

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

WARNING: It will be very important that you do the reading assignments when they are assigned and take notes.
To stress this importance, there could be a POP QUIZ given at any time on the reading.
Pop quizzes will be 1/4 of a test grade. And they will be short, typically 15 minutes.

Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	4B
5	0	5.1 Introduction, The Idea of Probability, Myths about Randomness	<ul style="list-style-type: none"> Interpret probability as a long-run relative frequency in context. 	1, 3, 9 13, 17, 19, 22	Section 5.1	20-Nov
FRAPPY's: 1997q3, 2003Bq2, 2009Bq2, 2014q2, 2017q3 (1 Frappy will be the bonus question on the test) - Due day of Ch 5 Test						
5	1	5.1 Simulation, Technology: Random Numbers with Calculators <i>*Activity 5.1 (a) Law of Large Numbers -% Heads (b) NASCAR Cards</i>	<ul style="list-style-type: none"> Use simulation to model chance behavior. HW: 1) Complete 5.1 Activity (including back page analysis) 2) TPS #'s #25 (complete the simulation and include a stem plot), and #'s 39&41 3) MC31-36 optional		Section 5.2 (pgs 299-302)	27-Nov
5	2	5.2 Probability Models, Basic Rules of Probability <i>*Activity 5.2 1) Roll the Dice - Introduction to Basic Probability 2) "Who has Pierced Ears?" Example (pgs 303&306)</i>	<ul style="list-style-type: none"> Describe a probability model for a chance process. Use basic probability rules, including the complement rule and the addition rule for mutually exclusive events. Use Venn Diagrams to model a chance process involving 2 events. Use the general addition rule 	Complete and correct 5.2 Activity 45, 47, 49, 53 54, 55	Finish Section 5.2	29-Nov
5	3	5.3 What is Conditional Probability?, Conditional Probability and Independence, Tree Diagrams and the General Multiplication Rule <i>*Activity: 5.3(Part 1) Conditional Probability and Independence... IP: check my online answer key to ensure you understand problems.</i>	<ul style="list-style-type: none"> When appropriate, use a tree diagram to describe chance behavior. Find probability that an event occurs using a 2-way table. Compute conditional probabilities. Use the general multiplication rule to solve probability questions. Determine whether two events are independent. 	Complete and correct 5.3p1 Activity 63, 65, 69, 67, (MC57-60) 71	Section 5.3 (pgs 299-302)	1-Dec
5	4	5.3 Independence: A Special Multiplication Rule, Calculating Conditional Probabilities <i>*Activity: 5.3(Part 2) Conditional Probability and Independence... IP: check my online answer key to ensure you understand problems.</i>	<ul style="list-style-type: none"> When appropriate, use the multiplication rule for independent events to compute probabilities. Compute reverse conditional probabilities. 	Complete and correct 5.3p2 Activity 77, 79, 83, 87, 91, 99 95, 96, 104, 106	Finish Section 5.3	5-Dec
5	5	Wrap Up (complete in class) <i>* Activity 1: 5.1 and 5.2 Self Assessment Quiz * Activity 2: 5.3 Self Assessment Quiz * Activity 3: Titanic Activity</i>		Go to my website to self correct the 3 activities. Come to class with review questions		7-Dec
5	6	Review - Review Packet (recommend completing to study for test)		1) Chapter 5 AP Practice Test 2) Complete Frappy's		11-Dec
5	7	Chapter 5 Test		Complete 6.1 Guided Notes		13-Dec