2022-2023 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
FRAPPY's due day of test - 2002Bq1, 2002q4, 1999q1, 2007Bq4, 2018Q1, 2006Q2						
3	0 (post test)	Chapter 3 Introduction 3.1 Measuring linear association: correlation	 Describe why it is important to investigate relationships between variables. Identify explanatory and response variables in situations where one variable helps to explain or influences the other. Make a scatterplot to display the relationship between two quantitative variables. Describe the direction, form, and strength of the overall pattern of a scatterplot. 	1, 3 , 9 10	Section 3.1	3-Oct
3	1	3.1 Facts about correlation Activity - 3.1 Facts sheet (read for IP) Activity - 3.1A Intro to Correlation Activity - 3.1B Regression Internet	 Recognize outliers in a scatterplot. Know the basic properties of correlation. Calculate and interpret correlation in context. Explain howcorrelation r is influenced by extreme observations. 	Complete Packet - Read all handouts 15, 17, 21, (optional 26–32)	Section 3.2 pgs 164 - 171	5-Oct
Columbus Weekend - OFF OCT7 and OCT10						
3	2	3.2 Interpreting a regression line (LSRL) <i>Activity - 3.2A Introto Regression</i>	 Interpret slope and intercept of the LSRL in context Use the least-squares regression line to predict y for given x. Explain the dangers of extrapolation. Explain the concept of least squares. Use technology to find a least-squares regression line. 	35,37,39, 41, 43, 45	Finish Section 3.2	11-Oct
3	3	3.2 Residuals and the LSRL line StatMedic Activities - see GC. Watch and complete 3.2b and 3.3d videos. Extra credit 3.2c (IP=150%)		47, 49, 54, 56 Work on Frappy's		SUB OCT13
3	4	Activity #1 - Association vs. Causation Activity #2 - Ch3 Guided LSRL Review "Does Fidgeting Keep You Slim?" See page 164	 Explain why association doesn't imply causation. Recognize how the slope, y intercept, standard deviation of the residuals, and r² are influenced by extreme observations. 	58, 59, 60, 61, 63, 65 (optional 71-78) Extra Practice (+3 on test) Ch3 Guided LSRL Review "Concrete Structures"		17-Oct
3	5	<u>Chapter Revie</u> w: <i>Chapter 3 MC Practice Test (book)</i> Complete Frappy 2018q1 in-class		Ch 3 AP Practice Test Complete Frappy's		19-Oct
3	6	Chapter 3 Test and Chapter 3 Frappy's Due		1, 3, 5, 7, 9, 11	Section 4.1	21-Oct