



2023-2024 AP Statistics Assignments

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

IMPORTANT: Essential concepts for TOH! Read sections as assigned. Notes will NOT be collected. Be prepared for 5-Min Open Notes Pop Q's (1/4 Q-grade)						
Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	1/2O
10	0	10.1 The Sampling Distribution of a Difference Between Two Proportions	<ul style="list-style-type: none">Describe the characteristics of the sampling distribution of Difference Between Two ProportionsCalculate probabilities using the sampling distribution of Difference Between Two Proportions	Do 10.1a ws, pgs 1-8 NG: 1, 3, 5, 7, 9	Section 10.1 (pgs 601-608)	1-Apr
10	1	10.1 Confidence Intervals for $p_1 - p_2$ 10.1a Activity - Notes Comparing 2 Proportions	<ul style="list-style-type: none">Determine whether the conditions for performing inference are met.Construct and interpret a confidence interval to compare two proportions.	SM video 10.1A&10.1B Complete 10.1a ws NG: 11, 13, 45-47	Finish Section 10.1	Apr3 ER
 No school – Ice Storm – TH 4/4 and FRI 4/5						
3 Frappy's will be on your Quiz - pace yourself- FRAPPY's - [10.1: 2009bQ3, 2012Q4, 2019Q4]. [10.2: 2004bQ4, 2006Q4, 2007bQ5, 2011Q4] [9.3 match-pairs: 2007q4, 2023q4]						
10	2	10.1 Significance Tests for $p_1 - p_2$ 10.1b Activity - 2 Sample TOH for Proportions	<ul style="list-style-type: none">Perform a significance test to compare two proportions.Interpret the results of inference procedures in a randomized experiment.	SM video 10.1C Complete 10.1b ws NG: 21, 22, 25, 27, 30, 44	Section 10.2 (pgs 627-639)	9-Apr
10	3	10.2 The Two-Sample t-Statistic, Confidence Intervals for $\mu_1 - \mu_2$ 10.2a Activity - Notes Comparing 2 Means	<ul style="list-style-type: none">Describe the characteristics of the sampling distribution of Difference Between Two MeansCalculate probabilities using the sampling distribution of Difference Between Two MeansDetermine conditions<ul style="list-style-type: none">to compare two means based on summary statistics.compare two means from raw data.computer output for two-sample t procedures.	SM video 10.2A Complete 10.2a ws NG: 35, 37, 39, 41, 43, 45-46	Finish Section 10.2	11-Apr
 April Vacation (OFF APR12, APR15-19)						
10	4	10.2 Significance Tests for $\mu_1 - \mu_2$ 10.2b Activity - 2 Sample TOH for Means	<ul style="list-style-type: none">Perform a significance test to compare two means.Check conditions for using two-sample t procedures in a randomized experiment.Interpret the results of inference procedures in a randomized experiment.Determine the proper inference procedure to use in a given setting.	SM video 10.2B & 10.2C Complete 10.2b ws NG: 51, 52, 57, 59, 66	Section 9.3 pages 577-580	23-Apr
9.3	5	9.3 Inference for Paired Data 9.3b Activity - Significance Tests for Paired Data (includes FRQ 2001#5 and/or 9.89)	<ul style="list-style-type: none">Recognize paired data anduse one-sample t procedures to perform significance tests for paired data.	SM video 9.3D & 9.3E Complete 9.3b ws NG: 94-97		25-Apr
9	6	CH 10 FRQ Review.(T10.11, T10.12a, T10.13(tbd) 9.20)		TPS Ch.10 MC Review handout		29-Apr
10	7	Ch10 Quiz - MC(12 for 48pts) - 3 Frappys (3 for 48pts) - NO test corrections			11.1 SM videos (2)	May1 ER
11	1	11.1 Chi-Square Goodness of FIT			11.2SM videos (2)	3-May
11	2	11.2 Intro to Chi-Square			11.2SM videos (2)	7-May
AP Stats Exam (Tuesday, May 7th at Noon)						
		Gummy Bear Project - This will be your Final Exam Grade (groups of 2 and 1 group of 3)			Start May9th and Due Jun3rd	