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	• Describe the characteristics of the sampling distribution of Difference Between Two Proportions • Calculate 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**	• 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, 13,15, 17	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**	• 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: 21,23, 35,37, 39, 41	Section 10.2 (pgs 627-639)	**9-Apr**
10	3	10.2 The Two-Sample t-Statistic, Confidence Intervals for µ1-µ2 **10.2a Activity - Notes Comparing 2 Means**	• Describe the characteristics of the sampling distribution of Difference Between Two Means • Calculate probabilities using the sampling distribution of Difference Between Two Means • Determine conditions • 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, 51	Finish Section 10.2	**11-Apr**
🏖 **April Vacation (OFF APR12, APR15-19)**						
10	4	10.2 Significance Tests for µ1- µ2 **10.2b Activity - 2 Sample TOH for Means**	• 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, 53, 57, 59, 65	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)*	• Recognize paired data and • use 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**		