


## 2023-2024 AP Statistics Assignments

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

<b>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)</b>						
Chapter	Day	Topics	Objectives: Students will be able to...	Homework	Reading	1/20
10	0	10.1 The Sampling Distribution of a Difference Between Two Proportions	<ul style="list-style-type: none"> <li>Describe the characteristics of the sampling distribution of Difference Between Two Proportions</li> <li>Calculate probabilities using the sampling distribution of Difference Between Two Proportions</li> </ul>	<b>Do 10.1a ws, pgs 1-8</b> NG: 1, 3, 5, 7, 9	Section 10.1 (pgs 601-608)	1-Apr
10	1	10.1 Confidence Intervals for $p_1 - p_2$ <b>10.1a Activity - Notes Comparing 2 Proportions</b>	<ul style="list-style-type: none"> <li>Determine whether the conditions for performing inference are met.</li> <li>Construct and interpret a confidence interval to compare two proportions.</li> </ul>	<b>SM video 10.1A&amp;10.1B</b> <b>Complete 10.1a ws</b> NG: 11, 13, 45-47	Finish Section 10.1	Apr3 ER
<b>3 Frappy's will be on your Quiz - pace yourself</b>						
<b>FRAPPY's - [10.1: 2009bQ3, 2012Q4, 2019Q4]. [10.2: 2004bQ4, 2006Q4, 2007bQ5, 2011Q4] [9.3 match-pairs: 2007q4, 2023q4]</b>						
10	2	10.1 Significance Tests for $p_1 - p_2$ <b>10.1b Activity - 2 Sample TOH for Proportions</b>	<ul style="list-style-type: none"> <li>Perform a significance test to compare two proportions.</li> <li>Interpret the results of inference procedures in a randomized experiment.</li> </ul>	<b>SM video 10.1C</b> <b>Complete 10.1b ws</b> NG: 21, 33, 35, 37, 39, 44	Section 10.2 (pgs 627-639)	5-Apr
10	3	10.2 The Two-Sample t-Statistic, Confidence Intervals for $\mu_1 - \mu_2$ <b>10.2a Activity - Notes Comparing 2 Means</b>	<ul style="list-style-type: none"> <li>Describe the characteristics of the sampling distribution of Difference Between Two Means</li> <li>Calculate probabilities using the sampling distribution of Difference Between Two Means</li> <li>Determine conditions to compare two means based on summary statistics.</li> <li>compare two means from raw data.</li> <li>computer output for two-sample <math>t</math> procedures.</li> </ul>	<b>SM video 10.2A</b> <b>Complete 10.2a ws</b> NG: 35, 37, 39, 41, 43, 46, 44	Finish Section 10.2	9-Apr
10	4	10.2 Significance Tests for $\mu_1 - \mu_2$ <b>10.2b Activity - 2 Sample TOH for Means</b>	<ul style="list-style-type: none"> <li>Perform a significance test to compare two means.</li> <li>Check conditions for using two-sample <math>t</math> procedures in a randomized experiment.</li> <li>Interpret the results of inference procedures in a randomized experiment.</li> <li>Determine the proper inference procedure to use in a given setting.</li> </ul>	<b>SM video 10.2B &amp; 10.2C</b> <b>Complete 10.2b ws</b> NG: 51, 53, 57, 59, 66	Section 9.3 pages 577-580	11-Apr
 <b>April Vacation (OFF APR12, APR15-19)</b>						
9.3	5	9.3 Inference for Paired Data <b>9.3b Activity - Significance Tests for Paired Data (includes FRQ 2001#5 and/or 9.89)</b>	<ul style="list-style-type: none"> <li>Recognize paired data and</li> <li>use one-sample <math>t</math> procedures to perform significance tests for paired data.</li> </ul>	<b>SM video 9.3D &amp; 9.3E</b> <b>Complete 9.3b ws</b> NG: 94-97		23-Apr
9	6	<b>CH 10 FRQ Review.(T10.11, T10.12a, T10.13(tbd) 9.20)</b>		<b>TPS Ch.10 MC Review handout</b>		25-Apr
10	7	<b>Ch10 Quiz - MC(12 for 48pts) - 3 Frappys (3 for 48pts) - NO test corrections</b>			<b>Start Ch11</b>	29-Apr

**AP Stats Exam (Tuesday, May 7th at Noon)**