Date	Schedule	Assignments	
		 Go over Syllabus and HW schedule Lecture. Finish Stat Support Activity#1 – Excel Basics (copy,paste, 	
		highlighting and widening columns)	
		 Section 1A Lecture on categorical vs quantitative data and 	
Feb 11		nominal vs ordinal categorical data.	
10011		 Textbook Problems 1A#1,2,3,4. 	
	Syllabus	Go over project#1. Choose project questions and population	
	Schedule	of interest.	
	Section 1A	Homework: Finish Problems 1A. Read Syllabus. Choose	
	Excel Basics	Project questions and population.	
		 Section 1B Lecture on methods of collecting data. 	
		 Textbook Problems 1B#1-15 all. 	
Feb 13		 Section 1C Lecture on types of bias in data. 	
		 Textbook Problems 1C#1-11 all. 	
	Section	Homework: Finish 1B and 1C probblems. Start collecting data	
	1B & 1C	and work on project#1.	
		 Excel Activity#2 typing project data, creating "Other" 	
		category and doing a "Custom Sort".	
		Lecture on Experimental Design.	
Feb 18		Ruler Experiment Activity and Problems 1D#1-6	
		Iextbook Problems 1D#/-2/.	
	Section	Homework: Finish 1D problems. Collect data for project.	
	ID	Work on project#1.	
		 Work on project#1. Stat Suggest Activity Development (Lepture and #1.12) 	
		Stat Support Activity: Rounding (Lecture and #1-12) Stat Support Activity: Rounding (Lecture and #1-12)	
		 Stat Support Activity: %, Proportions, Scientific Notation (%, Proportion Lecture and #1, 20) 	
		(%-Proportion Lecture and #1-20) (Scientific Notation Lecture and #21, 22)	
Eeb 20		Locture: Erequencies: Total Propertiens: and Estimating	
Feb 20		Amounts. Textbook Problems 1E#3-10	
		Homework: Finish Activity Problems and 1E#3-10. Collect	
	Casting	data for project. Work on project#1.	
	Section 15 (part 1)	 February 23rd is the Last Day to Drop with a Refund and without a "W" 	
		Percent of Increase: Lecture and Textbook Problems	
		1E#11,13,14,15	
		 Stat Support Activity Intro to StatKey: Lecture and Problems#1&2 	
Feb 25		Stat Support Activity Categorical Graphs: Lecture and	
		Problems#1-4	
		Binomial Probability: Lecture and Textbook Problems	
		1E#25,26,27,28,29	
	Section	 Homework: Finish Activity Problems and 1E#11,13-15,25-29. Collect data for project. Work on project#1 	
	IE (part 2)	Collect data for project. Work on project#1.	
Feb 27		 Stat Support Activity: Normal Quantitative Graphs. Lecture & Problems#1-3 	
		Stat Support Activity: Mean Average. Lecture &	
		Problems#1&2	
		Stat Support Activity: Standard Deviation. Lecture &	
		Problem#1 all	
	Sections	Homework: Finish Project#1! Finish Activity Problems and	
	1F (part 1)	1F#9-18	

		Project#1 Due Today! Turn in printed spreadsheet with the two columns of custom sorted data you collected. Also turn in answers #1-15 from Project#1 directions.
		Z-score Lecture & Problems 1F#9-15 all
Mar 4		Normal Data Analysis Lecture & Textbook Problems
		Empirical Pulo Locturo & Taythook Problems 15#10-21 all
		Normal Probabilities Lecture & Textbook Problems 1F#13-21 all
	Section	all
	1F (part 2)	 Homework: Finish Problems 1F. Work on project#2.
		• your mott togehout org. Bro Stat Page
		• <u>www.matt-teachout.org</u> . PTe-Stat Page.
		Other Quantitative Shapes Lecture & Activity#1-7 (Bear Data)
Mar 6		 Median Lecture & Activity#1-4
		Ouartiles/IOR Lecture & Activity#1-3
	Section	 Box-Plot/Outliers Lecture & Activity#1-3
	1G (part 1)	Homework: Finish Activity Problems. Work on project#2
	10 (pure 1)	Skewed & Non-normal Data Analysis Lecture
		Statistics Page: Problems 16#2 3 4
		Data Sets Page: "Bear Data"
		 Go over project#2
		Pre-Stat Page, Stat Support Activities:
Mar 11		Other Quantitative Statistics Lecture and Activity#1-4.
		Statistics & Parameters Lecture.
		Statistics Page: Problems 2A#2-12 all
	Sections	 Homework: Finish 1G, 2A, Other Stats Activity problems,
	1G (part 2) & 2A	Work on Project#2
		Work on project#2.
		Sampling Distribution Lecture.
		Coin Sampling Distribution Activity (Part 1) #1-12
		Coin Sampling Distribution Activity (Part 2) #13-17
		Coffee Sampling Distribution Activity (Part 1) #1-11.
Mar 13		Data Sets Page: "Sampling Distribution Data 1 Coffee"
		Coffee Sampling Distribution Activity (Part 2) #12-16.
		Data Sets Page: "Coffee Data"
		Central Limit Theorem Lecture.
		 Problems 2C#1-7,9,10,17,18.
	Sections	Homework: Finish Sampling Distribution Activities & 2C
	2B & 2C	Problems. Work on project#2.
		Confidence Interval Lecture.
		 Problems 2D#1-10. Park and the feature for Consult Statistic and Mannin of Encoderations.
Mar 18		Back solving for Sample Statistic and Margin of Error Lecture and Broklama 2D#11 20 (parts a 8 h ank)
		and Problems 2D#11-20 (parts a & b only).
	Soction	Onderstanding Connuence Levels Lecture and Brobloms 2D#21.22
	20	 Homework: Einish Problems 2D, Work on project#2
	20	Critical Value 7-scores StatKey Activity#1-3
		One-population Proportion Confidence Interval
Mar 20		Calculations and Conditions Lecture.
		Problems 2E#1,4-9.
		William Gossett's Student T Distribution Lecture
		Critical Value T-scores StatKev Activitv#1-4
		Affective Domain#1 Activity (Growth Mindset): Ted Talk and
		problems#1-6
	Section	Homework: Finish Activities & 2E Problems.
	2E (part 1)	Work on Project#2.

		Population Mean Average Confidence Interval
		Calculations and Conditions Lecture.
		 Textbook Problems 2E#2,12-19.
Mar 25		Lecture: One-Population Mean and Proportion Bootstrap
		Confidence Interval Lecture.
		Lecture: Bootstrap vs Sampling Distributions
	Sections	Textbook Problems 2E#3,20-27.
	2E (part 2)	Homework: Finish project#2 and problems 2E.
		 Project#2 Due Today! Turn in printed StatKey graphs and
		summary stats, and answers to all questions.
		Stat Support Activity: Differences #1-6
		 Lecture: Negatives and Positives on the number line.
		Lecture: Two-Population Confidence Interval Interpretations
		and Textbook Problems 2F#4-12.
Mar 27		Calculations for two-population proportion confidence
		intervals Lecture and Stat Support Activity: Two-population
		proportion confidence interval calculations #1-2
		Stat Support Activity: Two-population degrees of freedom
	Castian	and I-scores #1-3
	Section	Homework: Finish Activities & 2F Problems.
	2F (part 1)	
		 Lecture & Stat Support Activity: Two-population Mean
		Confidence Interval Calculations#1-2
		Lecture & Stat Support Activity: Matched Pair Two-
		population Mean Confidence Interval Calculations#1-3
Apr 1		 Lecture: Two-population confidence intervals conditions and
		Problems 2F#13.15.16.18
		Two-population Bootstrapping Lecture and Problems
	Section	2F#14,17,19,20
	2F (part 2)	• Finish Activity and 2F problems. Work on Project#3
		Lecture & Stat Support Activity: Inequality Symbols &
		Population Parameters #1-12 all.
		 Lecture 3A: Ho, Ha, Claim, Type of Test
Apr 3		Problems 3A#1-20 all.
		Lecture 3B: Tail Rule
	Section	Problems 3B#1-20 all.
	3A & 3B (part 1)	Finish Activity, 3A, & 3B problems. Work on Project#3
Apr 8		Catch up on missing work,
Apr 10	Spring Break	projects, and assignments. Work on Project#3.
A A T		Stat Support Activity: Significance Levels#1-8 (Includes
Apr 15		drawing distributions and labeling critical values & test
		statistics)
		Section 3B Lecture: Using StatKey and Significance level to
		Calculate Critical Values & Textbook problems 3B#21-29 all.
		Section 3B Lecture: One-Population Test Stat Sentences and Calculations 8. Tauth ask much have 20, 20, 25, 11
	C	Calculations & Lextbook problems 3B#30-35 all.
	Section	Grit Affective Domain Activity Video & #1-6
	3B (part 2)	Finish Activities & 3B problems. Work on Project#3

		 Introduction to P-value & Problems 3C#1-20 all.
		P-value in Hynothesis Test Example Lecture & Problems
		StatKey Theoretical Distribution D value Calculations Leature
Apr 17		Statkey Theoretical Distribution P-value Calculations Lecture
		& Problems 3C#38-44 all.
		Support Activity: Drawing P-value, Significance Level, Test
	Section	Statistic and Critical Value on same distribution (#1-10 all)
	3C	 Finish 3C and Activity Problems. Work on Project#3
		3D Lecture: Conclusions
		 Conclusion Support Activity#1-8 & Problems 3D#17-23.
Apr 22		 3E Lecture: Type 1 and Type 2 Errors.
Api 22		 Finish textbook problems 3E#1-15,17.
	Sections	 Homework: Finish project#3! Finish Activities, 3D & 3E
	3D & 3E	problems
		Project#3 Due Today!
		 Lecture 3F: One-Population Proportion Z-Test.
		 Problems 3F#1 4-7 and
		Support Activity: One-Population Test Statistics #1-3
Δnr 24		Lecture Section 3E One-Population Mean T-Test
		 Droblems 3E#2 8-11 and
		Support Activity: One-Dopulation Test Statistics #4-6
		Support Activity. One-ropulation Test Statistics #4-0
		Lecture 3F: Hypotnesis Test Steps and Drableme 25#12.14.16.19.10.21
	6 ··· 25	Problems 3F#12,14,16,18,19,21
	Section 3F	Homework: Finish Support Activity and Problems 3F
		• Lecture Section 4B: Intro to ANOVA, Ho, Ha, Conditions
		 Stat Support Activity: ANOVA and F-test statistic
		Calculations#1-3
Apr 29		 Finish problems 4B#1-5,11-15,22-24
		 Lecture and Problems Section 4B#25,27,29,30
	Section	 HW: Finish Activity Problems, Finish 4B problems,
	4B	and start on project#4.
		 Lecture 4A: Two-Population Mean Hypothesis Test for
		Independent Groups and Matched Pair.
		 Stat Support Activity: 2-population T-test statistic
		Calculations (Updated Version) #1-4
May 1		 Problems 4A (Updated Version) #1-6, 11-16, 23-25
		 Problems 4A (Updated Version) #26.28.31.32
	Section	HW: Einish Activity Problems Einish 4A problems and work
	4A	on project#4.
		 Lecture 4C: Two-pop properties Hypothesis test
		Ctat Support Activity Two pop. 7 test statistic Calculations
		Stat Support Activity. Two-pop. 2-test statistic Calculations (Undeted Version) #1.2
		(Upualeu Versioni) #1-5 Problems 4C (Updated Version) #1 C 11 1C 21 22
May 6		 Problems 4C (Updated Version) #1-5, 11-15, 21-23 Problems 4C (Updated Version) #24.2C 20.20 24-5
ividy o		 Problems 4C (Updated Version) #24,26,29,30,31ab
		HW: Finish Activity Problems, Finish 4C problems,
		and work on project#4.
		This Saturday May 10th is the last day to drop. You will
	Section	receive a "W" on record. Your instructor may drop you from
	4C	the class if you are failing or have many absences.

		Lecture 4D: Intro Goodness of Fit Test
		 Problems 4D (Undated Version) #1-20 (StatKey Chi-Square)
		Critical Values)
		Locture 4D: Examples of Coodness of Eit Tests
		Ecclure 4D. Examples of Goodiless of Fit Tests Drebleme 4D. (Undeted) (ension) #21.26.27.20.20.22
May 9		• Problems 4D (Opdated Version) #21-26,27,29,30,33
iviay o		Homework: Finish problems 4D. Work on project#4. Finish
		and turn in make-up work.
		This Saturday May 10th is the last day to drop. You will
		receive a "W" on record. Your instructor may drop you from
	Section	the class if you are failing or have many absences. (It is
	4D	better to get a "W" than an "F".)
		Finish Project#4!
		Lecture 4E: Contingency Table Marginal Proportions
		 Problems 4E#3,4,11,12,19,20,27,28
		 Lecture 4E: Contingency Table Intersection Proportions
		 Problems 4E#5.6.13.14.21.22.29.30
May 13		Lecture 4F: Contingency Table Union Proportions
		 Problems /E#7 8 15 16 23 24 31 32
		 Lecture AE: Contingency Table Conditional Proportions
		Droblems 45#1.2.0.10.25.26.22.24
		• Problems 4E#1,2,9,10,25,26,33,34
	Sections	• Work on project#4. Finish Problems 4E.
	4E	Finish and turn in make-up work.
		Project#4 Due Today!
		Lecture 4F: Intro Categorical Association Test
		 Problems 4F (Updated Version) #1-20, 23-27
May 15		 Lecture 4F: Examples of Categorical Association Tests
		 Problems 4F (Updated Version) #28,30,31,33,34
	Section	 Homework: Finish problems 4F. Work on project#4. Finish
	4F	and turn in make-up work.
		Laster 40 Emberster 9 Based and islas Castlendate
		• Lecture 4G: Explanatory & Response variables, Scatterplots,
May 20		Correlation Coefficient (r), coefficient of determination (r^2) .
		Stat Support Correlation Coefficient Activity#1-11
		 Lecture: Regression lines, slope, y-intercept, definitions
	Section	 Finish problems 4G, and Stat Support Activities.
	4G (part 1)	Finish and turn in make-up work.
		 Stat Support Regression Line Activity#1-8
		• Problems 4G#1,2,3,5,6
		 Lecture4G: Predictions, Extrapolation, Residuals, Standard
May 22		Deviation of the Residual Errors (s_e)
-		 Problems 4G#4,7,8,10,11
	Section	 Finish problems 4F, 4G, and Stat Support Activities.
	4G(part 2)	Finish and turn in make-up work.
	- ()	Lecture 4H: Correlation Test Ho, Ha, r. T-test stat. Critical
		Values P-value Correlation Test Activity#1 2 3 6 7 1/
May 27		Lecture: Residual Plats: Correlation Test Conditions
iviay 21	Contine	Drobloms /IH#21.27
	Section	 Problems 4m#21-27 Sinish 40 and blance and turns in market wave all
	4H	Finish 4H problems and turn in make-up work.
		Section 1A-1D Review Lecture.
		Ch1 Review Sheet #1,2bdgh,4,5
May 29		Section 1E-1G Review Lecture.
		Ch1 Review Sheet #7abc,8,9,12abc,14-18
		 Ch2 Review Lecture. Ch2 Review Sheet#1(n,p,p̂,μ,x̄,r,s),
	Final Review Ch. 1&2	9(sampling distribution, standard error), 10abefgh, 11,12,15.

		•	Homework: Finish Ch1 & Ch2 Review Sheet problems. Study for Final Exam! Finish and turn in make-up work.
		•	Review Lecture Ch3&4
June 3		•	Ch 3 Review Sheet#3-6,7ab,11,14
	Final Review Ch. 3&4	•	Ch4 Review Sheet#1-17 all
		•	Study for Final Exam! Finish and turn in make-up work.
June 5	Cumulative	•	Last day to turn in make-up work!!
	Final Exam		Math 140 is over! Have a great winter break!