Date	Schedule	Assignments
		Syllabus and HW schedule Lecture.
		 Finish Stat Support Activity#1 – Excel Basics (copy,paste,
Aug 19		highlighting and widening columns)
	Syllabus	 Section 1A Lecture on two types of data.
	Schedule	Textbook Problems 1A#1,2,3.
	Section 1A	Go over project#1 Topics. Let Teachout know choice of
	Excel Basics	project topics.
		 Section 1B Lecture on methods of collecting data.
		Textbook Problems 1B#1-15 all.
Aug 21		 Section 1C Lecture on types of bias in data.
	Section	Textbook Problems 1C#1-11 all.
	1B & 1C	 Start collecting data and work on project#1.
		 Collect data for project. Work on project#1.
		 Lecture on Experimental Design.
Aug 26		Ruler Experiment Activity.
Aug 20		 Textbook Problems 1D#1-6,17-27.
	Section	 Excel Activity#2 typing project data, creating "Other"
	1D	category and doing a "Custom Sort".
		Work on project#1.
		Stat Support Activity: Rounding
		Stat Support Activity: %, Proportions, Scientific Notation
Aug 28		Lecture: Estimating Amounts
100 20		Textbook Problems 1E#3-10
		 Calculating Proportions and Percent of Increase Lecture.
	Section	 Textbook Problems 1E#11,13,14,15
	1E (part 1)	 9/1/24 is Last Day to Drop with Refund and without a "W".
Sept 2		No Class Today.
	Holiday	Happy Labor Day!
		Work on project#1.
		Putting Categorical Data into StatKey Lecture.
Cont 4		Stat Support Activity: Intro to StatKey
Sept 4		Intro to categorical graphs lecture.
	Constitution of	Stat Support Activity: Categorical Graphs
	Section	Binomial Probability Lecture. Taythack Broklows 15#25 26 27 28 20
	1E (part 2)	Textbook Problems 1E#25,26,27,28,29 Finish Project#1!
		-
		 Stat Support Activity: Normally Distributed. Stat Support Activity: Quantitative Shapes
Sept 9		 Stat Support Activity: Quantitative Shapes Stat Support Activity: Mean Average.
	Sections	 Stat Support Activity: Mean Average. Stat Support Activity: Standard Deviation.
	1F (part 1)	 Z-score Lecture.
		Project#1 Due Today!
		Start project#2.
		 Z-score Textbook Problems 1F#9-18 all (Collected)
		 Normal Data Analysis Lecture.
Sept 11		 Textbook Problems 1F#2,5,6,7,8 all (Collected)
Sept II		 Empirical Rule Lecture.
		 Textbook Problems 1F#19-22 all (Collected)
	Section	 Normal Probabilities Lecture.
	1F (part 2)	 Textbook Problems 1F#23-25 all (Collected)

Sept 16		 Work on project#2. Median Lecture & Activity.
	Section	Quartiles/IQR Lecture & Activity.
	1G (part 1)	 Box-Plot/Outliers Lecture & Activity.
	10 (part 1)	Work on project#2.
		 Skewed & Non-normal Data Analysis Lecture.
		Textbook Problems 1G#2,3,4
Sept 18		 Go over project#2
•		• Other Quantitative Statistics Lecture and Activity#1-4.
	Sections	Section 2A Statistics & Parameters Lecture.
	1G (part 2) & 2A	Textbook problems 2A#1-12 all
	N 7	Work on project#2.
		Sampling Distribution Lecture.
		Sampling Distribution Coin Activity.
Sept 23		Sampling Distribution Coffee Activity.
	Sections	Central Limit Theorem Lecture.
	2B & 2C	• Textbook problems 2C#1-7,9,10,17,18.
		Work on project#2.
		Confidence Interval Calculation & Sentence Lecture.
a		Textbook Problems 2D#1-10.
Sept 25		• Finding Statistic and Margin of Error Lecture.
	Section	Textbook Problems 2D#11-20.
	2D	• Understanding "Confidence" Activity (2D#21-32).
		Work on project#2.
		Critical Value Z-scores StatKey Activity.
		Population Proportion Confidence Interval Calculations and
Sept 30		Conditions Lecture.
-		• Textbook Problems 2E#1,4-7.
	Section	Critical Value T-scores StatKey Activity.
	2E (part 1)	Affective Domain#1 Activity: Growth Mindset
		Finish project#2!
		Population Mean Average Confidence Interval
		Calculations and Conditions Lecture.
0.1.0		• Textbook Problems 2E#2,12-19.
Oct 2		Lecture: One-Population Mean and Proportion Bootstrap
		Confidence Interval Lecture.
	Sections	Lecture: Bootstrap vs Sampling Distributions
	2E (part 2)	Textbook Problems 2E#3,20-27.
		Project#2 Due Today!
		Stat Support Difference Activity.
		Lecture: Two-Population Confidence Interval Interpretations.
Oct 7		Textbook Problems 2F#4-12
		Lecture: Calculations for two-population proportion
		confidence interval.
		Stat Support Activity: Calculations for two-population
		proportion confidence interval.
		Stat Support Activity: Two-population degrees of freedom
	Section	and critical value T-scores.
	2F (part 1)	

		Mark an angle at #2
		Work on project#3.
		 Lecture: Calculations for Two-population mean confidence interval form indexed part means
		interval from independent groups.
		 Stat Support Activity: Calculations for Two-population mean
		 confidence interval from independent groups. Lecture: Calculations for Matched Pair mean confidence
0.4.0		
Oct 9		intervals.
		 Stat Support Activity: Calculations for Matched Pair mean confidence intervals.
		 Lecture: Two-population confidence intervals conditions and bootstrans
	Section	bootstraps.Textbook problems 2F#14,16,17,19
	2F (part 2)	
		Work on project#3.
		Lecture: Inequalities & Population Parameters.
Oct 14		Stat Support Activity: Inequalities & Population Parameters. Section 24 Mult 8 Alternative Investigation International Activity
00014		Section 3A Null & Alternative Hypothesis Lecture. Finish tooth and parablems 24.00 all
	Continu	 Finish textbook problems 3A#1-20 all. Section 2B Inter to Text Statistic (Teil Bule) Lecture
	Section	Section 3B Intro to Test Statistic (Tail Rule) Lecture. Finish test heads and heads 28#1.20 all
	3A & 3B (part 1)	Finish textbook problems 3B#1-20 all.
		Work on project#3. Chat Support Activity Significance Lough (Also includes
		Stat Support Activity: Significance Levels (Also includes denuine distributions and lebeling aritical unlines
		drawing distributions and labeling critical values & test
		statistics)
Oct 16		 Section 3B Lecture: Using StatKey and Significance level to Calculate Critical Values.
000 16		 Textbook problems 3B#21-29 all.
		 Section 3B Lecture: One-Population Test Stat Sentences and
		Calculations.
	Section	 Textbook problems 3B#30-35 all.
	3B (part 2)	Affective Domain Activity#2: Grit
	30 (part 2)	Work on project#3.
		 Lecture: 3C Introduction to P-value.
		 Finish problems 3C#1-20 all.
		 Lecture: P-value in Hypothesis Test Example 3C#33
Oct 21		 Finish problems 3C#33-36 all.
00021		 Lecture: StatKey Theoretical Distribution P-value
		Calculations. Finish problems 3C#39,41,44.
	Section	 Stat Support Activity: Drawing P-value, Significance Level,
	3C	Test Statistic and Critical Value on same distribution (#1-10)
		Finish project#3!
		Lecture: Section 3D Hypothesis Test Conclusions.
		 Stat Support Conclusion Activity#1-16.
		 Conclusion with Scientific Study Example 3D#17.
Oct 23		 Finish textbook problems 3D#17-21.
		 3E Lecture: Type 1 and Type 2 Errors.
	Sections	 Finish textbook problems 3E#1-15.
	3D & 3E	 Affective Domain Activity: Stress
	50 & 5L	- Ancenive Domain Activity. Juless

		Project#3 Due Today!
		Lecture: Hypothesis Test Steps
		Lecture Section 3F One-Population Proportion Hypothesis
		Test.
		 Stat Support Activity: One-Population Test Statistics #1-3
		 Problems 3F#1,4-7,14,16.
Oct 28		 Lecture Section 3F One-Population Mean Hypothesis Test.
000 20		
		 Problems 3F#2,8-11,18,20
		Lecture: Randomized Simulation (Randomization)
		Go to the "Pre-Stat" page on www.matt-teachout.org and
	C 11 25	open the Stat Support Activity: Randomized Simulation. Do
	Section 3F	problems #1 & #2.
		• Lecture Section 4B: Intro to ANOVA, Ho, Ha, Conditions
		 Stat Support Activity: ANOVA and F-test statistic
		Calculations#1-3
		• Finish problems 4B#1-4,21-24
Oct 30		Lecture and Problems Section 4B: Traditional ANOVA test
		Australia Salary example. Finish problems 4B#26,28
		Lecture and Problems Section 4B: Randomization ANOVA
		test Football Concussion example. Finish problems 4B#30,32
	Section	HW: Finish Activity Problems, Finish 4B problems,
	4B	and start on project#4.
		Lecture Section 4C: Intro to two-pop. proportion Z-test. (Ho,
		Ha, Conditions, Z-test stat)
		 Stat Support Activity: Two-pop. Z-test statistic
		Calculations#1-3
		 Problems 4C#1-10
Nov 4		 Lecture Section 4C: Example 2-pop % Hypothesis Test
100 4		 Problems 4C#26,27,28
		 Lecture Section 4C: Two-pop. proportion experiments and
		randomization.
		• Problems 4C#32,33,34,35ab
	Section	• HW: Finish Activity Problems, Finish 4C problems,
	4C	and work on project#4.
		• Lecture 4A: Intro to the Two-Population T-test statistic
		Stat Support Activity: 2-population T-test statistic
		Calculations#1-4
		Problems 4A#1-6
Nov 6		• Lecture 4A: Two-Population Mean Hypothesis Test for
		Independent Groups and Matched Pair.
		• Problems 4A#28,29,30,34,35,36
		HW: Finish Stat Support Activity Problems, Finish 4A
	Section	problems, and work on project#4.
	4A	NOTE: Last day to drop is this Saturday November 9th!
Nov 11		No Class Today.
	COC Holiday	Happy Veterans Day!
	coerioliday	happy feedulis buy.

Section 4F & 4G (part1) Section 4G (part 2) and 4H Final Review Ch. 1&2 Final Review Ch. 3&4 Cumulative	•	Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard Deviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11 Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, Critical Values, P-value Correlation Test Activity#1,2,3,6,7,14 Lecture: Residual Plots, Correlation Test Conditions Problems 4H#21-27 Finish 4G and 4H problems and turn in make-up work. Section 1A-1D Review Lecture. Ch1 Review Sheet #1,2bdgh,4,5 Section 1E-1G Review Lecture. Ch1 Review Sheet #7abc,8,9,12abc,14-18 Ch2 Review Lecture. Ch2 Review Sheet#1(n,p, \hat{p},μ,\bar{x},r,s), 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 Ch 3 Review Sheet#3-6,7ab,11,14 Ch4 Review Sheet#1-17 all Study for Final Exam! Finish and turn in make-up work.
4F & 4G (part1) Section 4G (part 2) and 4H Final Review Ch. 1&2	• • • • • • • • • • • • •	Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard Deviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11 Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, Critical Values, P-value Correlation Test Activity#1,2,3,6,7,14 Lecture: Residual Plots, Correlation Test Conditions Problems 4H#21-27 Finish 4G and 4H problems and turn in make-up work. Section 1A-1D Review Lecture. Ch1 Review Sheet #1,2bdgh,4,5 Section 1E-1G Review Lecture. Ch1 Review Sheet #7abc,8,9,12abc,14-18 Ch2 Review Lecture. Ch2 Review Sheet#1(n,p, \hat{p},μ,\bar{x},r,s), 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 Ch 3 Review Sheet#3-6,7ab,11,14 Ch4 Review Sheet#1-17 all
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4F & 4G (part1) Section	•	Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard Deviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11 Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, Critical Values, P-value Correlation Test Activity#1,2,3,6,7,14 Lecture: Residual Plots, Correlation Test Conditions Problems 4H#21-27 Finish 4G and 4H problems and turn in make-up work. Section 1A-1D Review Lecture. Ch1 Review Sheet #1,2bdgh,4,5 Section 1E-1G Review Lecture. Ch1 Review Sheet #7abc,8,9,12abc,14-18 Ch2 Review Lecture. Ch2 Review Sheet#1(n,p, \hat{p},μ,\bar{x},r,s),
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4F & 4G (part1) Section	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14Lecture: Residual Plots, Correlation Test ConditionsProblems 4H#21-27Finish 4G and 4H problems and turn in make-up work.Section 1A-1D Review Lecture.Ch1 Review Sheet #1,2bdgh,4,5Section 1E-1G Review Lecture.
4F & 4G (part1) Section	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14Lecture: Residual Plots, Correlation Test ConditionsProblems 4H#21-27Finish 4G and 4H problems and turn in make-up work.Section 1A-1D Review Lecture.Ch1 Review Sheet #1,2bdgh,4,5
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4F & 4G (part1) Section	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14Lecture: Residual Plots, Correlation Test ConditionsProblems 4H#21-27Finish 4G and 4H problems and turn in make-up work.
4F & 4G (part1) Section	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e)Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14Lecture: Residual Plots, Correlation Test ConditionsProblems 4H#21-27
4F & 4G (part1)	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14Lecture: Residual Plots, Correlation Test Conditions
	•	Finish problems 4F, 4G, and Stat Support Activities.Finish and turn in make-up work.Lecture4G: Predictions, Extrapolation, Residuals, StandardDeviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11Lecture 4H: Correlation Test Ho, Ha, r, T-test stat, CriticalValues, P-valueCorrelation Test Activity#1,2,3,6,7,14
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	•	Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard Deviation of the Residual Errors (s_e) Problems 4G#4,7,8,10,11
	•	Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard Deviation of the Residual Errors (s_e)
		Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work. Lecture4G: Predictions, Extrapolation, Residuals, Standard
		Finish problems 4F, 4G, and Stat Support Activities. Finish and turn in make-up work.
	•	Finish problems 4F, 4G, and Stat Support Activities.
	•	Problems 4G#1,2,3,5,6
	•	Stat Support Regression Line Activity#1-8
	•	Lecture: Regression lines, slope, y-intercept, definitions
	•	Stat Support Correlation Coefficient Activity#1-11
		Correlation Coefficient (r), coefficient of determination (r^2) .
	•	Lecture 4G: Explanatory & Response variables, Scatterplots,
	•	4F#23,24,25,26,27,28,30,32
	•	Lecture 4F: Categorical Association Test, Ex 4F#35
	•	Project#4 Due Today!
4E		Finish and turn in make-up work.
	•	Work on project#4. Finish Problems 4E.
	•	Problems 4E#1,2,9,10,17,18,25,26
	•	Lecture 4E: Contingency Table Conditional Proportions
		Problems 4E#5-8,13-16,21-24,29-32
		Lecture 4E: Contingency Table Joint Proportions
	•	Problems 4E#3,4,11,12,19,20,27,28
		Lecture 4E: Contingency Table Marginal Proportions
	•	Finish Project#4!
4D		and turn in make-up work.
Section	•	Homework: Work on project#4. Finish problems 4D. Finish
		up critical value and P-value. Then finish the hypothesis test.)
	•	Problems 4D#26-29. (Find df and chi-square test stat. Look
	•	Problems 4D#11-16
		(Examples #11 & #26)
		Chi-Square distribution to look up critical value and P-value.
	•	StatKey Lecture: Find df and Chi-Square test statistic. Use the
	•	Problems 4D#30-32
	•	Lecture Section 4D: Goodness of Fit Test (Example #30)
	•	Problems 4D#1-6,#21-25
		Chi-Square Test Statistic (Example #1)
_	4D Sections	Section 4D Sections 4E Sections 4E