Date	Readings and Such	Lecture Topic	Week	Assignment Due by 11:59pm
Jan 9		Syllabus, Textbook, data, and create your survey	1	
Jan 16	Broman et al. (2017) – only sections 2-4,6-8	Working with and Analyzing Data, Overview of Statistics, Intro to Statistics Terminology, Introduction to Jamovi	2	
Jan 23	Ch 2, 3 Start looking for published research in your area	Statistics terminology (Hypothesis, IV and DV, Measurement, Validity and Reliability, Correlation and Experimentation, Distributions, Central Tendency and Variability)	3	
Jan 30	Ch 4, 5, 6	Statistics terminology continued (hypothesis testing, populations and samples, descriptive and inferential statistics, effect sizes, confidence intervals, Type I and II errors)	4	
Feb 6	Ch 7	More on Jamovi (data manipulation, transformations, assumptions), Creating tables and figures for reports and manuscripts, Intro to t-tests	5	HW #1 (Central Tendency and Variability)
Feb 13	Ch 7, 9, 10	T-tests (student's, Mann-Whitney, Wilcoxon), Review of hypothesis tests	6	
Feb 20	Ch 11, 12	ANOVA (one-way, two-way), ANCOVA, Repeated Measures ANOVA, post-hoc analyses	7	
Feb 27		Mid-Term Examination	8	HW #2 (t-tests & ANOVA)
Mar 6	Ch 13	Correlations (Pearson, Spearman, partial)	9	
Mar 13		Spring Break! (Do Not Come to Class)		
Mar 21	Ch 13	Linear Regression (hypothesis testing, prediction, assumptions)	10	
Mar 27	Ch 13	Multiple Regression (moderation, mediation)	11	
April 3	Ch 14	Categorical Data Analysis (Chi-square, logistic, log-linear, odds ratios)	12	HW # 3 (correlation & regression)
April 10	Ch 14	Categorical Data Analysis continued (logistic, odds ratios)	13	
April 17		Research Portfolio, Review for final	14	HW #4 (categorical data)
April 24		Review (get ready for the final)	15	
May 1		Final Examination		