

Date	Readings and Such	Lecture Topic	Week	Assignment Due by 11:59pm
Jan 8		Syllabus, Textbook, Proctorio, look for data	1	Unit 1 HW & Research Article
Jan 15	Broman et al. (2017) – only sections 2-4,6-8 Pre-recorded lecture	Working with and Analyzing Data, Overview of Statistics, Intro to Statistics Terminology, Introduction to Jamovi	2	
Jan 22	Ch 2, 3 Pre-recorded lecture	Statistics terminology (Hypothesis, IV and DV, Measurement, Validity and Reliability, Correlation and Experimentation, Distributions, Central Tendency and Variability)	3	
Jan 29	Ch 4, 5, 6 Pre-recorded lecture	Statistics terminology continued (hypothesis testing, populations and samples, descriptive and inferential statistics, effect sizes, confidence intervals, Type I and II errors)	4	
Feb 5	Ch 7, 9, 10 Pre-recorded lecture	T-tests (student's, Mann-Whitney, Wilcoxon), Review of hypothesis tests	5	
Feb 12	Ch 11, 12 Pre-recorded lecture	ANOVA (one-way, two-way), ANCOVA, Repeated Measures ANOVA, post-hoc analyses	6	Unit 2 HW & Research Article
Feb 19	Ch 11, 12	ANOVA continued	7	
Feb 26		Mid-Term Examination	8	
Mar 5	Spring Break! (Do Not Come to Class)			
Mar 12	Ch 13 Pre-recorded lecture	Linear Regression (hypothesis testing, prediction, assumptions)	10	Unit 3 HW & Research Article
Mar 19	Regression.pdf	Multiple Regression (interpretation, examples)	11	
Mar 26	DAGs.pdf Pre-recorded lecture	Multiple Regression (moderation, mediation) & DAGs	12	
April 1	Ch 14 Pre-recorded lecture	Categorical Data Analysis (Chi-square, logistic, log-linear, odds ratios)	13	Unit 4 HW & Research Article
April 8	Ch 14	Categorical Data Analysis continued (logistic regression, odds ratios)	14	
April 15		Catch up day/Review for final	15	
April 22		Review (get ready for the final)	16	
April 29		Final Examination		