| Date | Readings and Such | Lecture Topic | Week | Assignment Due by 11:59pm |
|---|---|---|---|---|
| Jan 8 | | Syllabus, Textbook, Proctorio, look for data | 1 | |
| Jan 15 | 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 | Unit 1 HW & Research Article |
| Jan 22 | Ch 2, 3 | 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 | 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 | T-tests (student's, Mann-Whitney, Wilcoxon), Review of hypothesis tests | 5 | |
| Feb 12 | Ch 11, 12 | 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 | 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 | Multiple Regression (moderation, mediation) & DAGs | 12 | |
| April 1 | Ch 14 | 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 | | |