

| Date | Day | Discussion Due by 4:00pm | Lecture Topic | Unit | Assignment Due by 11:59pm |
|----------|------|--------------------------|---|------|---------------------------|
| Jan 19 | Tues | | Syllabus and R/RStudio | 0 | |
| Jan 21 | Thur | L1 | Tidyverse (the verbs) | | |
| Jan 26 | Tues | L2 | Causation: Logic models, DAGS, and Potential Outcomes | 1 | HW 1 |
| Jan 28 | Thur | | | | |
| Feb 2 | Tues | L3 | Simple Regression | | |
| Feb 4 | Thur | L4 | Multiple Regression | | |
| Feb 9 | Tues | L5 | Regression with Categorical Variables | | |
| Feb 11 | Thur | | Exam 1 | | |
| Feb 16 | Tues | L6 | Assumptions of Regression | 2 | HW 2 |
| Feb 18 | Thur | L7 | Diagnostics (Detecting Irregularities) | | |
| Feb 23 | Tues | | | | |
| Feb 25 | Thur | L8 | Missing Data and Other Real-World Problems | | |
| Mar 2 | Tues | L9 | Threats to Validity (including measurement error, multiple tests) | | |
| Mar 4 | Thur | | Exam 2 | | |
| Mar 9 | Tues | L10 | Effect Sizes (including partial dependence plots) | 3 | HW 3 |
| Mar 11 | Thur | | | | |
| Mar 16 | Tues | L11 | Linear Interaction | | |
| Mar 18 | Thur | | | | |
| Mar 23 | Tues | L12 | Nonlinear Relationships | | |
| Mar 25 | Thur | L13 | Intro to Generalized Linear Models | | |
| Mar 30 | Tues | | Catch Up Day | | |
| Apr 1 | Thur | | Exam 3 | | |
| Apr 6 | Tues | L14 | Logistic Regression | 4 | Final Project |
| Apr 8 | Thur | | | | |
| Apr 13 | Tues | L15 | Other GLMs | | |
| Apr 15 | Thur | | | | |
| Apr 20 | Tues | L16 | Mediation Analysis | | |
| Apr 22 | Thur | L17 | Miscellaneous (variable selection methods) | | |
| Apr 27 | Tues | | Catch Up Day | | |
| April 29 | Tues | | Exam 4 | | |