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| Date | Discussion Due Before Class | Lecture Topic | Unit | Assignment |
| Week 1 |  | Syllabus and R/RStudio | 0 | Introduce Final Project |
| L1 | Tidyverse (the verbs) |
| L2 | Causation: Logic models, DAGS, and Potential Outcomes | 1 | HW 1 |
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| Week 2 | L3 | Simple Regression |
| L4 | Multiple Regression |
| L5 | Regression with Categorical Variables |
|  | Exam 1 |
| Week 3 | L6 | Assumptions of Regression | 2 | HW 2 |
| L7 | Diagnostics (Detecting Irregularities) |
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| L8 | Missing Data and Other Real-World Problems |
| Week 4 | L9 | Threats to Validity |
|  | Exam 2 |
| L10 | Effect Sizes | 3 | HW 3 |
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| Week 5 | L11 | Linear Interaction |
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| L12 | Nonlinear Relationships |
| L13 | Intro to Generalized Linear Models |
| Week 6 |  | Exam 3 |
| L14 | Logistic Regression | 4 | Final Project |
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| L15 | Other GLMs |
| Week 7 |  |
| L16 | Mediation Analysis |
| L17 | Miscellaneous |
|  | Exam 4 |