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<tr>
<th>Week</th>
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<th>Topic</th>
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<td>1</td>
<td>9/16 - 9/18</td>
<td>Laying the Foundations + Terminology</td>
<td>Intro to R and RStudio</td>
<td>1.3 Sampling and Bias</td>
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<td>2</td>
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<td>Intro to Visualizing Numerical Data</td>
<td>1.6 Visualizing Numerical Data</td>
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<td>Normal Approximation</td>
<td>Bernoulli + Geometric</td>
<td>3.4+3.5 Binomial + Poisson</td>
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<td>Examining/Visualizing Numerical Data</td>
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<td>7</td>
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<td>Inference for Numerical Data</td>
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<td>5.5 ANOVA</td>
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<td>10</td>
<td>11/16 - 11/20</td>
<td>Introduction to Linear Regression</td>
<td>Midterm 2 Review</td>
<td>6.4 Testing Independence using Chi-Square</td>
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<td>11</td>
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<td>Simple Linear Regression Part I</td>
<td>Midterm 2 (7:30 PM)</td>
<td>7.x Simple Linear Regression Part I</td>
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<td>12</td>
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<td>Multiple Linear Regression</td>
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<td>Logistic Regression</td>
<td>2.4-2.5 Random Variables, Expectation, Variance</td>
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**Book Chapter / Topic**

- **Week 1**
  - Laying the Foundations + Terminology
  - Intro to R and RStudio
  - 1.3 Sampling and Bias

- **Week 2**
  - Intro to R Markdwon
  - Visualizing Numerical Data
  - 2.x Probability

- **Week 3**
  - 3.1 Normal Distribution
  - 3.2 Normal Approximation

- **Week 4**
  - Bernoulli + Geometric
  - 3.4+3.5 Binomial + Poisson

- **Week 5**
  - Sampling Distributions & Standard Errors
  - 4.1 Sampling Distributions
  - Confidence Levels

- **Week 6**
  - 4.3 Hypothesis Testing Part I
  - 4.3 Hypothesis Testing Part II
  - 5.5 ANOVA

- **Week 7**
  - Single proportion tests
  - 6.3 Chi-Square/Goodness of fit

- **Week 8**
  - Introduction to Linear Regression
  - Midterm 2 Review

- **Week 9**
  - Multiple Linear Regression
  - Logistic Regression

- **Week 10**
  - Midterm 2 Review
  - 8.1 Multiple Regression

- **Week 11**
  - 8.2-8.3 Model Selection + Diagnostics

- **Week 12**
  - Multiple Linear Regression
  - Logistic Regression