**Stat 216 Calendar of Topics and Due Dates – Fall 2021**

*\*GS indicates the assignment/lab should be turned into Gradescope*

*\*D2L indicates the video quiz is completed within D2L*

**Additional due dates:**

* The previous day’s in-class activity (as instructed by your instructor) is due at the beginning of class each day.

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| **Week** | **Date** | **Activity/Lab completed in class** | **Read prior to class** | **Due at 8pm MST**  Videos (D2L), Labs (GS), Assignments (GS) |
| **1** | W 8/25 | Syllabus, D2L Overview, Intro to Rstudio | -- | Course\_Tour (*optional*) (D2L)  Instructor bio (*optional*) (D2L)  Starting with R (*optional*) (D2L) |
|  | F 8/27 | Activity 1: Martian Alphabet | §1.1; §1.2 |  |
| **2** | Sun 8/29 | -- | §1.3; §1.4; §1.5; §1.6; §1.8 | 1.2.1\_1.2.2 (D2L)  1.2.3\_1.2.4\_1.2.5 (D2L)  1.3 (D2L)  1.4to1.6 (D2L) |
|  | M 8/30 | Activity 1: *(Needs a name, about random assignment)* |  |  |
|  | W 9/1 | Activity 2: Native American |  |  |
|  | F 9/3 | Week 2 Lab: Native American Address Continued |  | Week 2 Lab (GS) |
| **3** | Sun 9/5 | -- | §1.7; §2.1; §2.2 | 2.1 (D2L)  2.2 (D2L)  MosaicPlots (D2L) |
|  | M 9/6 | **No class – Labor Day** |  |  |
|  | T 9/7 | **--** |  | Assignment 1 (GS) |
|  | W 9/8 | Activity 3: Probability |  |  |
|  | F 9/10 | Week 3 Lab: *(Needs a name, graphing categorical data)* |  | Week 3 Lab (GS) |
| **4** | Sun 9/12 | *--* | §2.3; §2.4; §2.5 | 2.3 (D2L) |
|  | M 9/13 | Activity 4: IMDb Movie Reviews Part 1 |  | Assignment 2 (GS) |
|  | W 9/15 | Activity 5: IMDb Movie Reviews Part 2 |  |  |
|  | F 9/17 | Week 4 Lab: Tip Percentages |  | Week 4 Lab (GS) |
| **5** | Sun 9/19 | *--* | §3.1; §3.2; §3.3; §3.4; §3.5; §4.1; §4.2; §4.4 | Chapter3 (D2L)  Chapter4 (D2L) |
|  | M 9/20 | Activity 6: Movie Profits Part 1 |  | Assignment 3 (GS) |
|  | W 9/22 | Activity 7: Movie Profits Part 2 |  |  |
|  | F 9/24 | Week 5 Lab: Penguins |  | Week 5 Lab (GS) |
| **6** | M 9/27 | Activity 8: Exam 1 Review |  | Assignment 4 (GS) |
|  | W 9/29 | **Midterm Exam 1** |  |  |
|  | F 10/1 | **Group Midterm Exam 1** |  |  |
| **7** | Sun 10/3 | -- | §5.1; §5.3.1 §5.3.2 | 5.1 (D2L)  5.3SimInf (D2L)  Bootstrapping *(optional)* (D2L) |
|  | M 10/4 | Activity 9: Helper/Hinderer -Simulation Hypothesis Testing |  |  |
|  | W 10/6 | Activity 10: Helper/Hinderer -Simulation Confidence Intervals |  |  |
|  | F 10/8 | Week 7 Lab: Rat Empath |  | Week 7 Lab (GS) |
| **8** | Sun 10/9 | -- | §5.2; §5.3.3; **§5.3.4 (new 2-sided); §5.4 (new errors)** | 5.2 (D2L)  5.3TheoryInf (D2L)  5.5 (D2L) |
|  | M 10/11 | Activity 11: Male Boxers - Theoretical Hypothesis Testing |  | Assignment 5 (GS) |
|  | W 10/13 | Activity 12: Male Boxers - Theoretical Confidence Intervals |  |  |
|  | F 10/15 | Week 8 Lab: *(needs name – single proportion)* |  | Week 8 Lab (GS) |
| **9** | Sun 10/17 | -- | **§5.5.1; §5.5.2 (new sim two prop)** | 5.4SimInf (D2L) |
|  | M 10/18 | Activity 13: Good Samaritan - Simulation Hypothesis Testing |  | Assignment 6 (GS) |
|  | W 10/20 | Activity 14: Good Samaritan - Simulation Confidence Intervals |  |  |
|  | F 10/22 | Week 9 Lab: COVID-19 Infections by Vaccine Status |  | Week 9 Lab (GS) |
| **10** | Sun 10/24 | -- | **§5.5.3 (new theory two prop);** §5.6; §5.7; §5.8 | 5.4TheoryInf (D2L) |
|  | M 10/25 | Activity 15: Head Injuries by Helmet Use - Theoretical Hypothesis Testing |  | Assignment 7 (GS) |
|  | W 10/27 | Activity 16: Head Injuries by Helmet Use - Theoretical Confidence Intervals |  |  |
|  | F 10/29 | Week 10 Lab: Diabetes Treatments |  | Week 10 Lab (GS) |
| **11** | M 11/1 | Activity 17: Exam 2 Review |  | Assignment 8 (GS) |
|  | W 11/3 | **Midterm Exam 2** |  |  |
|  | F 11/5 | **Group Midterm Exam 2** |  |  |
| **12** | Sun 11/7 | -- | §6.1; §6.2 | 6.1 (D2L)  6.2 (D2L) |
|  | M 11/8 | Activity 17: COVID-19 and Air Pollution – Simulation Inference |  |  |
|  | W 11/10 | Activity 18: Construction Costs – Theoretical Inference |  |  |
|  | F 11/12 | Week 12 Lab: Pain and Profanity |  | Week 12 Lab (GS) |
| **13** | Sun 11/14 | -- | §6.3; §6.4; §6.5; §6.6 | 6.3 |
|  | M 11/15 | Activity 19: Snowfall by Weather Pattern – Simulation Inference |  | Assignment 9 (GS) |
|  | W 11/17 | Activity 20: SUD Housing by Treatment – Theoretical Inference | Ch. 6 overview p. 323; §6.2 p. 331-340, 345-346 |  |
|  | F 11/19 | Week 13 Lab: Hiking Trails |  | Week 13 Lab (GS) |
| **--** | M 11/22 – F 11/26 | Thanksgiving/Fall recess |  |  |
| **14** | Sun 11/28 |  | §7.1; §7.2; §7.3 | 7.1and7.2 |
|  | M 11/29 | Activity 19: Real Estate –Simulation Inference |  | Assignment 10 (GS) |
|  | W 12/1 | Activity 20: Bears – Theoretical Inference |  |  |
|  | F 12/3 | Week 14 Lab: Bears (continued) |  | Week 14 Lab (GS) |
| **15** | M 12/6 | Activity 21: Concussions |  | Assignment 11 (GS) |
|  | W 12/8 | Activity 22: Final exam review |  |  |
|  | F 12/10 | **Final Exam** |  |  |
| **16** | M 12/13 | **Group Final Exam** |  |  |