**Stat 216 Calendar of Topics and Due Dates – Fall 2025**

*\*All assignments, labs, and video quizzes should be completed in Gradescope*

**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** | **Complete prior to class:** readings in the online textbook & Videos & Video notes | **Homework:**  Labs (due at **9pm**), Assignments (due at **9pm**) |
| **1** | Wed 8/20 | Syllabus Review |  |  |
|  | Fri 8/22 | Activity 1: Intro to Data Analysis and Sampling Methods |  |  |
| **2** | Mon 8/25 | Activity 2: American Indian Address | §1.1; §1.2; §1.3; §2.1, Ch 23  1.2.1and1.2.2, 2.1, Chapter23  P. 4 – 8, P. 23 - 26 | *Optional (Module 1 and 2 Video/Reading Quiz)*  Assignment 1 |
|  | Wed 8/27 | Activity 3: Probability Studies |  |  |
|  | Fri 8/29 | Activity 4: Helper-Hinderer Part 1 | Ch 3; Ch 4; Ch 5; Ch 9; Ch 10; §14.1; §14.2  4.1\_OneProp, 4.2\_OneProp, Chapter9, 14.1, Chapter10, 14.2  P. 38 - 48 | *Optional (Module 3 Video/Reading Quiz)* |
| **3** | Mon 9/1 | **No class – Labor Day** |  |  |
|  | Wed 9/3 | Activity 5: Helper-Hinderer (continued) |  | Assignment 2 |
|  | Fri 9/5 | Activity 6: Helper-Hinderer – Simulation-based Confidence Intervals |  |  |
| **4** | Mon 9/8 | Activity 7: Handedness of Male Boxers | Ch 11; §14.3; §14.4  Chapter11, 14.3TheoryTests, 14.4TheoryIntervals  P. 69 - 75 | *Optional (Module 4 Video/Reading Quiz)*  Assignment 3 |
|  | Wed 9/10 | Activity 8: Confidence intervals and what confidence means |  |  |
|  | Fri 9/11 | Module 3 and 4 Lab |  | Module 3 and 4 Lab |
| **5** | Mon 9/15 | Exam 1 Review |  | Assignment 4 |
|  | Wed 9/17 | **Group Midterm Exam 1** |  |  |
|  | Fri 9/19 | **Individual Midterm Exam 1** |  |  |
| **6** | Mon 9/22 | Activity 9: Summarizing Quantitative Variables | §5.2; §5.3; §5.4; §5.5; §5.7; Ch 17  5.2to5.4, 5.5, 5.7, 17.1, 17.2  P. 116 - 127 | *Optional (Module 6 Video/Reading Quiz)* |
|  | Wed 9/24 | Activity 10: Inference of a Single Quantitative Variable – Simulation Methods |  |  |
|  | Fri 9/26 | Activity 11: Inference of a Single Quantitative Variable – Theoretical Methods | Ch 5; Ch 17; Ch 12  17.3TheoryTests,  17.3TheoryIntervals, Chapter12  P. 146 - 150 | *Optional (Module 7 Video/Reading Quiz)* |
| **7** | Mon 9/29 | Activity 12: Errors and Power |  | Assignment 5 |
|  | Wed 10/1 | Module 6 and 7 Lab: Arsenic |  | Module 6 and 7 Lab |
|  | Fri 10/3 | Activity 13: Study Design | §1.2, §2.2; §2.3; §2.4; §15.1; §15.2; Ch 4; Ch 16  1.2.3to1.2.5,  2.2to2.4, 4.1\_TwoProp, 4.2\_TwoProp, 4.4, 15.1, 15.2, RelativeRisk  P. 172 - 189 | *Optional (Module 8 Video/Reading Quiz)* |
| **8** | Mon 10/6 | Activity 14: Summarizing Two Categorical Variables |  | Assignment 6 |
|  | Wed 10/8 | Activity 15: The Good Samaritan |  |  |
|  | Fri 10/10 | Activity 16: Winter Sports Helmet Use and Head Injuries | §15.3; §15.4  15.3TheoryTests, 15.3TheoryIntervals  P. 212 - 216 | *Optional (Module 9 Video/Reading Quiz)* |
| **9** | Mon 10/13 | Module 8 and 9 Lab |  | Assignment 7  Module 8 and 9 Lab |
|  | Wed 10/15 | Special Topics |  |  |
|  | Fri 10/17 | Exam 2 Review |  |  |
| **10** | Mon 10/20 | **Group Midterm Exam 2** |  |  |
|  | Wed 10/22 | **Individual Midterm Exam 2** |  |  |
|  | Fri 10/24 | Activity 17: Does behavior impact performance? | §5.6; Ch 19; Ch 20  5.6, 19.1, 19.2, 19.3TheoryTests, 19.3TheoryInterval  P. 252 - 260 | *Optional (Module 11 Video/Reading Quiz)* |
| **11** | Mon 10/27 | Activity 18: Moon Phases and Virtual Reality |  | Assignment 8 |
|  | Wed 10/29 | Module 11 Lab: Trustworthiness |  | Module 11 Lab |
|  | Fri 10/31 | Activity 19: Moneyball – Linear Regression | Ch 6; Ch 7; Ch 8; Ch 21; Ch 22  6.1, 6.2, 6.3, Ch 7, Ch21\_Overview, 21.1, 21.3, 21.4TheoryTests, 21.4TheoryIntervals  P. 281 - 288 | *Optional (Module 12 Video/Reading Quiz)* |
| **12** | Mon 11/3 | Activity 20: IPEDS (continued) |  | Assignment 9 |
|  | Wed 11/5 | Activity 21: Prediction of Crocodilian Body Size (only cover theory – no correlation?) |  |  |
|  | Fri 11/7 | Module 12 Lab: Big Mac Index |  | Module 12 Lab |
| **13** | Mon 11/10 | Activity 22 Paired vs. Independent Samples | Ch 17; Ch 18  PairedData, 18.1and18.2, 18.3  P. 330 - 337 | *Optional (Module 13 Video/Reading Quiz)*  Assignment 10 |
|  | Wed 11/12 | Activity 23: Color Interference |  |  |
|  | Fri 11/14 | Module 13 Lab: Swearing |  | Module 13 Lab |
| **14** | Mon 11/17 | Special Topics |  | Assignment 11 |
|  | Wed 11/19 | Special Topics |  |  |
|  | Fri 11/21 | Special Topics |  |  |
|  | 11/24 – 11/28 | Fall Break – No classes |  |  |
| **15** | Mon 12/1 | Final exam review |  |  |
|  | Wed 12/3 | **Group Exam Part 1** |  |  |
|  | Fri 12/5 | **Group Exam Part 2** |  |  |
| **16** | Mon 12/8 – Thurs 12/11 | **Final Exam –**  **?** |  |  |