**Stat 216 Calendar of Topics and Due Dates – Fall 2024 - draft**

*\*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** | **Homework:**  Video quizzes (due at **9pm**), Labs (due at **9pm**), Assignments (due at **9pm**) |
| **1** | Wed 8/21 | Syllabus Review & Intro to Data | -- |  |
|  | Fri 8/23 | Guided Lecture: Observational units, variables, summary measures | §1.1; §1.2; §1.3; §2.1  §2.2; §2.3; §2.4; §2.5  1.2.1and1.2.2, 1.2.3to1.2.4 | *Video/Reading Quiz 1* |
| **2** | Mon 8/26 | Guided Lecture: Types of bias  American Indian Address Part 1 |  | *Assignment 1* |
|  | Wed 8/28 | Sampling Activity: American Indian Address Part 2 |  |  |
|  | Fri 8/30 | Study Design Activity |  |  |
| **3** | Mon 9/2 | **No class – Labor Day** |  |  |
|  | Wed 9/4 | Guided Lecture: Categorical EDA | Ch 3; Ch 4; Ch 5  4.1, 4.2, 5.2to5.4, 5.5to5.6 | *Video/Reading Quiz 2*  Assignment 2 |
|  | Fri 9/6 | Guided Lecture: Quantitative EDA |  |  |
| **4** | Mon 9/9 | EDA Lab 1 |  | EDA Lab #1  Assignment 3 |
|  | Wed 9/11 | Guided Lecture: regression | Ch 6; Ch 7; Ch 8  6.1, 6.2, 6.3, Ch 7 | *Video Quiz 3* |
|  | Fri 9/13 | Guided Lecture: correlation |  |  |
| **5** | Mon 9/16 | *EDA Lab 2: Penguins* |  | EDA Lab #2  Assignment 4 |
|  | Wed 9/18 | **Midterm Exam 1** |  |  |
|  | Fri 9/20 | Guided Lecture: Hypothesis testing | Ch 9; Ch 10; §14.1; §14.2  Chapter9, Chapter10 | *Video Quiz 4* |
| **6** | Mon 9/23 | Exam 1 Reflection  Guided Activity: Helper/Hinderer Part 1 |  |  |
|  | Wed 9/25 | Week 6 Activity: Helper/Hinderer - Part 2 |  |  |
|  | Fri 9/27 | Week 6 Activity: Helper/Hinderer - Simulation Confidence Intervals |  |  |
| **7** | Mon 9/30 | Guided Activity: Theory | Ch 11; Ch 12; Ch 13; §14.3; §14.4  Chapter11, Chapter12 | *Video Quiz 5*  Assignment 5 |
|  | Wed 10/2 | Week 7 Activity: Handedness of Male Boxers - Theory-based Test/Confidence Interval |  |  |
|  | Fri 10/4 | Errors and Power Activity |  |  |
| **8** | Mon 10/7 | Lab Single Categorical Variable |  | Assignment 6  One Cat Lab |
|  | Wed 10/9 | Guided Lecture: Two Cat Simulation | §15.1; §15.2  15.1, 15.2 | *Video Quiz 6* |
|  | Fri 10/11 | Poisonous Mushrooms Activity |  |  |
| **9** | Mon 10/14 | Guided Lecture: Two Cat Theory | §15.3; §15.4; Ch 16  15.3TheoryTests, 15.3TheoryIntervals  RelativeRisk | Assignment 7 |
|  | Wed 10/16 | Guided Activity: Head Injuries by Helmet Use – Theory-based Hypothesis Test |  | *Video Quiz 7* |
|  | Fri 10/18 | Diabetes/Relative Risk Activity |  |  |
| **10** | Mon 10/21 | Lab Two Categorical Variables |  | Assignment 8  Two Cat Lab |
|  | Wed 10/23 | **Midterm Exam 2** |  |  |
|  | Fri 10/25 | Guided Lecture: Paired Inference | Ch 17; Ch 18  PairedData, 18.1and18.2, 18.3 | *Video Quiz 8* |
| **11** | Mon 10/28 | Exam Reflection  Guided Activity Paired Inference |  |  |
|  | Wed 10/30 | Activity: Swearing |  |  |
|  | Fri 11/1 | Guided Lecture: Independent | Ch 19; Ch 20  19.1, 19.2  19.1, 19.2, 19.3TheoryTests, 19.4TheoryInterval | *Video Quiz 9* |
| **12** | Mon 11/4 | Guided Activity: |  | Assignment 9 |
|  | Wed 11/6 | Activity: |  |  |
|  | Fri 11/8 | Lab Quantitative Response |  | Mean Lab |
| **13** | Mon 11/11 | Veterans Day – No classes |  |  |
|  | Wed 11/13 | Guided Lecture: Regression | Ch 21; Ch 22  21.1, 21.3, 21.4TheoryTests, 21.4TheoryIntervals | Assignment 10  *Video Quiz 10* |
|  | Fri 11/15 | Guided Activity: Big Mac Index |  |  |
|  | 11/18 – 11/22 | Fall Break – No classes |  |  |
| **14** | Mon 11/25 | Activity – Two Quant |  | Assignment 11 |
|  | Wed 11/27 | Lab – Two Quant |  | Two Quant Lab |
|  | Fri 11/29 | Guided Probability Activity | Ch 23  Chapter23 | *Video Quiz 11* |
| **15** | Mon 12/2 | Final exam review |  | Assignment 12 |
|  | Wed 12/4 | **Group Exam Part 1** |  |  |
|  | Fri 12/6 | **Group Exam Part 2** |  |  |
| **16** | Mon 12/9 – Thurs 12/12 | **Final Exam –**  **TBA** |  |  |