**Stat 216 Calendar of Topics and Due Dates – Spring 2024**

*\*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 & Out of Class Activities** | **Homework:**  Lecture quizzes (due at **9pm**), **Labs (due at** **9pm**), Assignments (due at **9pm**) |
| **1** | Wed 1/17 | Syllabus Review & Intro to Data | -- |  |
|  | Fri 1/19 | Week 1 Lecture Notes: Intro to Data | §1.1; §1.2; §1.3; §2.1 |  |
| **2** | Mon 1/22 | Week 2 Lecture Notes: Study Design | §2.2; §2.3; §2.4; §2.5 | *Assignment 1* |
|  | Tues 1/23 |  |  | *Week 2 Lecture Quiz* |
|  | Wed 1/24 | Week 2 Activity: American Indian Address Part 2 | Out of class Activity Week 2 |  |
|  | Fri 1/26 | Week 2 Lab: Study Design |  | Week 2 Lab |
| **3** | Mon 1/29 | Week 3 Lecture Notes: Categorical and Quantitative EDA | Ch 3; Ch 4; Ch 5 | Assignment 2 |
|  | Tues 1/30 |  |  | *Week 3 Lecture Quiz* |
|  | Wed 1/31 | Week 3 Activity: IMDb Movie Reviews | Out of class Activity Week 3 |  |
|  | Fri 2/2 | Week 3 Lab: IPEDS |  | Week 3 Lab |
| **4** | Mon 2/5 | Week 4 Lecture Notes: Regression | Ch 6; Ch 7; Ch 8 | Assignment 3 |
|  | Tues 2/6 |  |  | *Week 4 Lecture Quiz* |
|  | Wed 2/7 | Week 4 Activity: Movie Profits – Linear Regression | Out of class Activity Week 4 |  |
|  | Fri 2/9 | Week 4 Lab: Penguins |  | Week 4 Lab |
| **5** | Mon 2/12 | Week 5 Activity: Exam 1 Review |  | Assignment 4 |
|  | Wed 2/14 | **Group Midterm Exam 1** |  |  |
|  | Fri 2/16 | **Midterm Exam 1** |  |  |
| **6** | Mon 2/19 | **NO CLASS- President Day** |  |  |
|  | Wed 2/21 | Week 6 Lecture Notes: Hypothesis Testing | Ch 9; Ch 10; §14.1; §14.2 |  |
|  | Thurs 2/22 |  |  | *Week 6 Lecture Quiz* |
|  | Fri 2/23 | Week 6 Lab: Helper/Hinderer - Continued | Out of class Activity Week 6 | Week 6 Lab |
| **7** | Mon 2/26 | Week 7 Lecture Notes: Theory-based Testing | Ch 11; Ch 12; Ch 13; §14.3; §14.4 | Assignment 5 |
|  | Tues 2/27 |  |  | *Week 7 Lecture Quiz* |
|  | Wed 2/28 | Week 7 Activity: Handedness of Male Boxers – Theory | Out of class Activity Week 7 |  |
|  | Fri 3/1 | Week 7 Lab: Errors and Power |  | Week 7 Lab |
| **8** | Mon 3/4 | Week 8 Lecture Notes: Inference for Two Categorical Variables – Simulation Methods | §15.1; §15.2 | Assignment 6 |
|  | Tues 3/5 |  |  | *Week 8 Lecture Quiz* |
|  | Wed 3/6 | Week 8 Activity: Good Samaritan – Simulation Methods | Out of class Activity Week 8 |  |
|  | Fri 3/8 | Week 8 Lab – Poisonous Mushrooms |  | Week 8 Lab |
|  | 3/11 – 3/15 | Spring Break – No classes |  |  |
| **9** | Mon 3/18 | Week 9 Lecture Notes: Theoretical Inference for Two Categorical Variables | §15.3; §15.4; Ch 16 | Assignment 7 |
|  | Tues 3/19 |  |  | *Week 9 Lecture Quiz* |
|  | Wed 3/20 | Week 9 Activity: Head Injuries by Helmet Use – Theory-based Hypothesis Test | Out of class Activity Week 9 |  |
|  | Fri 3/22 | Week 9 Lab – Diabetes |  | Week 9 Lab |
| **10** | Mon 3/25 | Week 10 Lecture Notes: Probability and Relative Risk | Ch 23 | Assignment 8 |
|  | Tues 3/25 |  |  | *Week 10 Lecture Quiz* |
|  | Wed 3/27 | Activity 10: Probability | Out of class Activity Week 10 | Week 10 Lab |
|  | Fri 3/29 | **NO CLASS – University Day** |  |  |
| **11** | Mon 4/1 | Week 11 Activity: Exam 2 Review |  | Assignment 9 |
|  | Wed 4/3 | **Group Midterm Exam 2** |  |  |
|  | Fri 4/5 | **Midterm Exam 2** |  |  |
| **12** | Mon 4/8 | Week 12 Lecture Notes: Paired Inference | Ch 17; Ch 18 |  |
|  | Tues 4/9 |  |  | *Week 12 Lecture Quiz* |
|  | Wed 4/10 | Week 12 Activity: –COVID-19 and Air Pollution | Out of class Activity Week 12 |  |
|  | Fri 4/12 | Week 12 Lab: Swearing |  | Week 12 Lab |
| **13** | Mon 4/15 | Week 13 Lecture Notes: Inference for Independent Samples | Ch 19; Ch 20 | Assignment 10 |
|  | Tues 4/16 |  |  | *Week 13 Lecture Quiz* |
|  | Wed 4/17 | Week 13 Activity: Triple Crown | Out of class Activity Week 13 |  |
|  | Fri 4/19 | Week 13 Lab: Dinosaurs |  | Week 13 Lab |
| **14** | Mon 4/22 | Week 14 Lecture Notes: Inference for Two Quantitative Variables | Ch 21; Ch 22 | Assignment 11 |
|  | Tues 4/23 |  |  | *Week 14 Lecture Quiz* |
|  | Wed 4/24 | Week 14 Activity: Golf Driving Distance | Out of class Activity Week 14 |  |
|  | Fri 4/26 | Week 14 Lab: Big Mac Index |  | Week 14 Lab |
| **15** | Mon 4/29 | Week 15 Activity: Final exam review |  | Assignment 12 |
|  | Wed 5/1 | **Group Exam Part 1** |  |  |
|  | Fri 5/3 | **Group Exam Part 2** |  |  |
| **16** | Mon 5/6 – Thurs 5/9 |  |  |  |