

Stat 216 Calendar of Topics and Due Dates – Fall 2022

**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.

Week	Date	Activity/Lab completed in class	Read prior to class (sections correspond to the online textbook)	Homework Video quizzes (due at 8am), Labs (due at 8pm), Assignments (due at 8pm)
1	Wed 8/24	Syllabus Review	--	<i>Instructor bio (optional)</i>
	Fri 8/26	Week 1 Lab: Intro to Data	§1.1; §1.2; §1.3; §2.1	<i>Week 1 Lab (GS) (optional)</i>
2	Mon 8/29	Week 2 Activity A: American Indian Address Part 1	§2.2; §2.3; §2.4; §2.5	1.2.1 and 1.2.2 1.2.3 to 1.2.5 2.1 2.2 to 2.4 <i>Assignment 1 (optional)</i>
	Wed 8/31	Week 2 Activity B: American Indian Address Part 2		
	Fri 9/2	Week 2 Lab: Study Design		Week 2 Lab
3	Mon 9/5	No class – Labor Day		
	Wed 9/7	Week 3 Activity: Graphing Categorical Variables	Ch 3; Ch 4; Ch 5	<i>Starting with R (optional)</i> 4.1 4.2 4.4 5.2 to 5.4 5.5 to 5.6 5.7 <i>Assignment 2</i>
	Fri 9/9	Week 3 Lab: IPEDS		<i>Week 3 Lab</i>
4	Mon 9/12	Week 4 Activity A: Movie Profits – Linear Regression	Ch 6; Ch 7; Ch 8	6.1 6.2 6.3 Chapter 7 <i>Assignment 3</i>
	Wed 9/14	Week 4 Activity B: Movie Profits – Correlation and Coefficient of Determination		
	Fri 9/16	Week 4 Lab: Penguins		<i>Week 4 Lab</i>

5	Mon 9/19	Week 5 Activity: Exam 1 Review		Islands_Introduction Assignment 4
	Wed 9/21	Group Midterm Exam 1		
	Fri 9/23	Midterm Exam 1		
6	Mon 9/26	Week 6 Activity A: Helper/Hinderer - Simulation Hypothesis Testing Part 1	Ch 9; Ch 10; §14.1; §14.2	Chapter9 Bootstrapping Chapter10 14.1 14.2
	Wed 9/28	Week 6 Activity B: Helper/Hinderer - Part 2		
	Fri 9/30	Week 6 Lab: Helper/Hinderer - Simulation Confidence Intervals		Week 6 Lab
7	Mon 10/3	Week 7 Activity A: Handedness of Male Boxers - Theory-based Hypothesis Testing	Ch 11; Ch 12; Ch 13; §14.3; §14.4	Chapter11 14.3TheoryTests 14.3TheoryIntervals Chapter12 Assignment 5
	Wed 10/5	Week 7 Activity B: Handedness of Male Boxers - Theory-based Confidence Interval		
	Fri 10/7	Week 7 Lab: Errors and Power		Week 7 Lab
8	Mon 10/10	Week 8 Activity A: Good Samaritan - Randomization Hypothesis Testing	§15.1; §15.2	15.1 15.2 Assignment 6
	Wed 10/12	Week 8 Activity B: Good Samaritan - Simulation Confidence Intervals		
	Fri 10/14	Week 8 Lab – Poisonous Mushrooms		Week 8 Lab
9	Mon 10/17	Week 9 Activity A: Head Injuries by Helmet Use – Theory-based Hypothesis Testing	§15.3; §15.4; Ch 16	15.3TheoryTests 15.3TheoryIntervals Assignment 7
	Wed 10/19	Week 9 Activity B: Head Injuries by Helmet Use – Theory-based Confidence Interval		
	Fri 10/21	Week 9 Lab – Diabetes		Week 9 Lab
10	Mon 10/24	Week 10 Activity: Exam 2 Review		Assignment 8
	Wed 10/26	Group Midterm Exam 2		
	Fri 10/28	Midterm Exam 2		
11	Mon 10/31	Week 11 Activity A: COVID-19 and Air Pollution – Simulation Inference	Ch 17; Ch 18	17.1 17.2 17.3TheoryTests 17.3TheoryIntervals

				Paired Data 18.1 and 18.2 18.3
	Wed 11/2	Week 11 Activity B: Color Interference – Theoretical Inference		
	Fri 11/4	Week 11 Lab: Swearing		Week 11 Lab
12	Mon 11/7	Week 12 Activity: Rudeness – Simulation Inference	Ch 19; Ch 20	19.1 19.2 19.3 Theory Tests 19.3 Theory Intervals Assignment 9
	Wed 11/9	Week 12 Lab: Triple Crown – Theoretical Inference		Week 12 Lab
	Fri 11/11	No class – Veterans Day		
13	Mon 11/14	Week 13 Activity A: Diving Penguins – Simulation Inference	Ch 21; Ch 22	21.1 21.3 21.4 to 21.5 Theory Tests 21.4 to 21.5 Theory Intervals Assignment 10
	Wed 11/16	Week 13 Activity B: Golf Driving Distance – Theoretical Inference		
	Fri 11/18	Week 13 Lab: Big Mac Index		Week 13 Lab
	11/21 – 11/25	Fall Break – No classes		
14	Mon 11/28	Week 14 Activity A: What's the probability	Ch 23	Chapter 23 Relative Risk Assignment 11
	Wed 11/30	Week 14 Activity B: Titanic Survivor – Relative Risk		
	Fri 12/2	Week 14 Lab: Efficacy of the COVID Vaccination		Week 14 Lab
15	Mon 12/5	Week 15 Activity: Final exam review		Assignment 12
	Wed 12/7	Group Exam Part 1		
	Fri 12/9	Group Exam Part 2		
16	Mon 12/12 – Thurs 12/15	Final Exam – Tuesday December 13 th , 6 - 7:50pm		