

Stat 216 Calendar of Topics and Due Dates – Fall 2026

**All assignments, labs, and exit tickets should be completed in Gradescope*

Additional due dates: Video notes are due at the beginning of class the first day of each module.

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 8/26	Course Overview		
	Fri 8/28	Activity 1: Intro to Data Analysis and Sampling Bias		
2	Mon 8/31	Activity 2: American Indian Address	§1.1; §1.2; §1.3; §2.1, Ch 23 Data_Basics Sampling Probability P. 4 – 8, P. 24 - 28	Optional (Module 1 and 2 Video/Reading Quiz) Assignment 1
	Wed 9/2	Activity 3: Probability Studies		
	Fri 9/4	Activity 4: Helper-Hinderer Part 1 – Simulation-based Hypothesis Test	Ch 3; Ch 4; Ch 9; Ch 10; §14.1; §14.2 One_Categorical_Variable_EDA Hypothesis_Testing Simulation_Tests_One_Categorical_Variable Confidence_Intervals Bootstrap_Intervals_One_Categorical_Variable P. 39 - 53	Optional (Module 3 Video/Reading Quiz)
3	Mon 9/7	No class – Labor Day		
	Wed 9/9	Activity 5: Helper-Hinderer (continued)		Assignment 2
	Fri 9/11	Activity 6: Helper-Hinderer – Simulation-based Confidence Intervals		
4	Mon 9/14	Activity 7: Handedness of Male Boxers	Ch 11; §14.3; §14.4 Theory_Based_Inference Theoretical_Tests_One_Categorical_Variable	Optional (Module 4 Video/Reading Quiz)

			Theoretical_Intervals_One_Categorical_Variable P. 75 - 83	Assignment 3
	Wed 9/16	Activity 8: Confidence intervals and what confidence means		
	Fri 9/18	Activity 9: Impacts on p-value and Confidence Intervals		
5	Mon 9/21	Module 3 and 4 Lab: Mixed Breed Dogs in the U.S.		Module 3 and 4 Lab Assignment 4
	Wed 9/23	Exam 1 Review		
	Fri 9/25	Group Midterm Exam 1		
6	Mon 9/28	Individual Midterm Exam 1		
	Wed 9/30	Activity 10: Summarizing Quantitative Variables	Ch5; Ch 17 One_Quantitative_Variable_Statistics One_Quantitative_Variable_Plots Simulation_Tests_One_Quantitative_Variable Bootstrap_Intervals_One_Quantitative_Variable P. 129 - 140	<i>Optional (Module 6 Video/Reading Quiz)</i>
	Fri 10/2	Activity 11: Inference of a Single Quantitative Variable – Simulation Methods		
7	Mon 10/5	Activity 12: Inference of a Single Quantitative Variable – Theory-based Methods	Ch 5; Ch 17; Ch 12 Theoretical_Tests_One_Quantitative_Variable Theoretical_Intervals_One_Quantitative_Variable Errors_Power P. 159 - 167	<i>Optional (Module 7 Video/Reading Quiz)</i> Assignment 5
	Wed 10/7	Activity 13: Errors and Power		
	Fri 10/9	Module 6 and 7 Lab: Arsenic		Module 6 and 7 Lab
8	Mon 10/12	Activity 14: Study Design	§1.2, §2.2; §2.3; §2.4; §15.1; §15.2; Ch 4; Ch 16 Variable_Roles Study_Design Two_Categorical_Variables_Statistics Two_Categorical_Variables_Plots Simulation_Tests_Two_Categorical_Variables	<i>Optional (Module 8 Video/Reading Quiz)</i> Assignment 6

			Bootstrap_Intervals_Two_Categorical_Variables Relative_Risk P. 189 - 206	
	Wed 10/14	Activity 15: Summarizing Two Categorical Variables		
	Fri 10/16	Activity 16: The Good Samaritan		
9	Mon 10/19	Activity 17: Winter Sports Helmet Use and Head Injuries – Theory-based Methods	§15.3; §15.4 Theoretical_Tests_Two_Categorical_Variables Theoretical_Intervals_Two_Categorical_Variables P. 229 – 234	<i>Optional (Module 9 Video/Reading Quiz)</i> Assignment 7
	Wed 10/21	Module 8 and 9 Lab: Poisonous Mushrooms		Module 8 and 9 Lab
	Fri 10/23	Special Topics: Relative Risk		
10	Mon 10/26	Exam 2 Review		Assignment 8
	Wed 10/28	Group Midterm Exam 2		
	Fri 10/30	Individual Midterm Exam 2		
11	Mon 11/2	Activity 18: Does behavior impact performance?	§5.6; Ch 19; Ch 20 Quantitative_Response_Independent_Groups_EDA Simulation_Tests_Quantitative_Response_Independent_Groups Bootstrap_Intervals_Quantitative_Response_Independent_Groups Theoretical_Tests_Quantitative_Response_Independent_Groups Theoretical_Intervals_Quantitative_Response_Independent_Groups P. 271 - 283	<i>Optional (Module 11 Video/Reading Quiz)</i>
	Wed 11/4	Activity 19: Moon Phases and Virtual Reality		
	Fri 11/6	Module 11 Lab: Dinosaurs		Module 11 Lab

12	Mon 11/9	Activity 20: Paired vs. Independent Samples	Ch 18 Paired_Data Simulation_Inference_Paired_Data Theoretical_Inference_Paired_Data P. 303 - 312	Optional (Module 12 Video/Reading Quiz) Assignment 9
	Wed 11/11	No class – Veteran’s Day		
	Fri 11/13	Activity 21: Color Interference		
13	Mon 11/16	Module 12 Lab: Swearing		Module 12 Lab Assignment 10
	Wed 11/18	Activity 22: Moneyball – Linear Regression	§5.1, Ch 6; Ch 7; Ch 8; Ch 21; Ch 22 Two_Quantitative_Variables_Plots Two_Quantitative_Variables_Linear_Regression Two_Quantitative_Variables_Statistics Multivariate_Plots Simulation_Inference_Two_Quantitative_Variables Theoretical_Inference_Two_Quantitative_Variables P. 335 - 355	Optional (Module 13 Video/Reading Quiz)
	Fri 11/20	Activity 23: Penguins		
	11/23 – 11/27	Fall Break – No classes		
14	Mon 11/30	Activity 24: Golf Driving Distance		Assignment 11
	Wed 12/2	Module 13 Lab: Big Mac Index		Module 13 Lab
	Fri 12/4	Special Topics		
15	Mon 12/7	Final exam review		Assignment 12
	Wed 12/9	Group Exam Part 1		
	Fri 12/11	Group Exam Part 2		
16		Final Exam – TBA		