

## Stat 216 Calendar of Topics and Due Dates – Fall 2023

*\*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	Complete prior to class: <b>readings in the online textbook &amp; Out of Class Activities</b>	Homework: Lecture quizzes (due at <b>9pm</b> ), Labs (due at <b>9pm</b> ), Assignments (due at <b>9pm</b> )
<b>1</b>	Wed 8/23	Syllabus Review & Intro to Data	--	
	Fri 8/25	Week 1 Lecture Notes: Intro to Data	§1.1; §1.2; §1.3; §2.1	
<b>2</b>	Mon 8/28	Week 2 Lecture Notes: Study Design	§2.2; §2.3; §2.4; §2.5	Assignment 1 (optional)
	Tues 8/29			Week 2 Lecture Quiz
	Wed 8/30	Week 2 Activity: American Indian Address Part 2	Out-of-class Activity Week 2	
	Fri 9/1	Week 2 Lab: Study Design		Week 2 Lab
<b>3</b>	Mon 9/4	<b>No class – Labor Day</b>		
	Wed 9/6	Week 3 Lecture Notes: Categorical and Quantitative EDA	Ch 3; Ch 4; Ch 5	Assignment 2
	Thurs 9/7			Week 3 Lecture Quiz
	Fri 9/8	Week 3 Lab: IPEDS	Out-of-class Activity Week 3	Week 3 Lab
<b>4</b>	Mon 9/11	Week 4 Lecture Notes: Regression	Ch 6; Ch 7; Ch 8	Assignment 3
	Tues 9/12			Week 4 Lecture Quiz
	Wed 9/13	Week 4 Activity: Movie Profits – Linear Regression	Out-of-class Activity Week 4:	
	Fri 9/15	Week 4 Lab: Penguins		Week 4 Lab
<b>5</b>	Mon 9/18	Week 5 Activity: Exam 1 Review		Assignment 4
	Wed 9/20	<b>Group Midterm Exam 1</b>		
	Fri 9/22	<b>Midterm Exam 1</b>		

<b>6</b>	Mon 9/25	Week 6 Lecture Notes: Hypothesis Testing	Ch 9; Ch 10; §14.1; §14.2	
	Tues 9/26			<i>Week 6 Lecture Quiz</i>
	Wed 9/27	Week 6 Activity: Helper/Hinderer - Part 2	Out-of-class Activity Week 6	
	Fri 9/29	Week 6 Lab: Helper/Hinderer - Simulation Confidence Intervals		Week 6 Lab
<b>7</b>	Mon 10/2	Week 7 Lecture Notes: Theory-based Testing	Ch 11; Ch 12; Ch 13; §14.3; §14.4	Assignment 5
	Tues 10/3			<i>Week 7 Lecture Quiz</i>
	Wed 10/4	Week 7 Activity: Handedness of Male Boxers - Theory-based Confidence Interval	Out-of-class Activity Week 7	
	Fri 10/6	Week 7 Lab: Errors and Power		Week 7 Lab
<b>8</b>	Mon 10/9	Week 8 Lecture Notes: Inference for Two Categorical Variables – Simulation Methods	§15.1; §15.2	Assignment 6
	Tues 10/10			<i>Week 8 Lecture Quiz</i>
	Wed 10/11	Week 8 Activity: Good Samaritan – Simulation Methods	Out-of-class Activity Week 8	
	Fri 10/13	Week 8 Lab – Poisonous Mushrooms		Week 8 Lab
<b>9</b>	Mon 10/16	Week 9 Lecture Notes: Theoretical Inference for Two Categorical Variables	§15.3; §15.4; Ch 16	Assignment 7
	Tues 10/17			<i>Week 9 Lecture Quiz</i>
	Wed 10/18	Week 9 Activity: Head Injuries by Helmet Use – Theory-based Hypothesis Test	Out-of-class Activity Week 9	
	Fri 10/20	Week 9 Lab – Diabetes		Week 9 Lab
<b>10</b>	Mon 10/23	Week 10 Activity: Exam 2 Review		Assignment 8
	Wed 10/25	<b>Group Midterm Exam 2</b>		
	Fri 10/26	<b>Midterm Exam 2</b>		
<b>11</b>	Mon 10/30	Week 11 Lecture Notes: Paired Inference	Ch 17; Ch 18	
	Tues 10/31			<i>Week 11 Lecture Quiz</i>
	Wed 11/1	Week 11 Activity B: – COVID-19 and Air Pollution	Out-of-class Activity Week 11	
	Fri 11/3	Week 11 Lab: Swearing		Week 11 Lab

<b>12</b>	Mon 11/6	Week 12 Lecture Notes: Inference for Independent Samples	Ch 19; Ch 20	Assignment 9
	Tues 11/7			<i>Week 12 Lecture Quiz</i>
	Wed 11/8	Week 12 Lab: Triple Crown	Out-of-class Activity Week 12	Week 12 Lab
	Fri 11/10	<b>No class – Veterans Day</b>		
<b>13</b>	Mon 11/13	Week 13 Lecture Notes: Inference for Two Quantitative Variables	Ch 21; Ch 22	Assignment 10
	Tues 11/14			<i>Week 13 Lecture Quiz</i>
	Wed 11/15	Week 13 Activity B: Golf Driving Distance	Out-of-class Activity Week 13	
	Fri 11/17	Week 13 Lab: Big Mac Index		Week 13 Lab
	11/20 – 11/24	<b>Fall Break – No classes</b>		
<b>14</b>	Mon 11/27	Week 14 Lecture Notes: Probability and Relative Risk	Ch 23	Assignment 11
	Tues 11/28			<i>Week 14 Lecture Quiz</i>
	Wed 11/29	Week 14 Activity: What's the probability?	Out-of-class Activity Week 14	
	Fri 12/1	Week 14 Lab: Efficacy of the COVID Vaccination		Week 14 Lab
<b>15</b>	Mon 12/4	Week 15 Activity: Final exam review		Assignment 12
	Wed 12/6	<b>Group Exam Part 1</b>		
	Fri 12/8	<b>Group Exam Part 2</b>		
<b>16</b>	Mon 12/11 – Thurs 12/14	<b>Final Exam – Thursday, December 14<sup>th</sup>, 6 - 7:50pm</b>		