

## Stat 216 Calendar of Topics and Due Dates – Fall 2021

\*GS indicates the assignment/lab should be turned into Gradescope

\*D2L indicates the video quiz is completed within D2L

### 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	Due at 8pm MST Videos (D2L), Labs (GS), Assignments (GS)
<b>1</b>	W 8/25	Syllabus, D2L Overview, Intro to Rstudio	--	Course_Tour (optional) (D2L) Instructor bio (optional) (D2L) Starting with R (optional) (D2L)
	F 8/27	Activity 1: Martian Alphabet	§1.1; §1.2	
<b>2</b>	Sun 8/29	--	§1.3; §1.4; §1.5; §1.6; §1.8	1.2.1_1.2.2 (D2L) 1.2.3_1.2.4_1.2.5 (D2L) 1.3 (D2L) 1.4to1.6 (D2L)
	M 8/30	Activity 1: Atrial Fibrillation		
	W 9/1	Activity 2: Native American Address		
	F 9/3	Week 2 Lab: Native American Address Continued		Week 2 Lab (GS)
<b>3</b>	Sun 9/5	--	§1.7; §2.1; §2.2	2.1 (D2L) 2.2 (D2L) MosaicPlots (D2L)
	M 9/6	<b>No class – Labor Day</b>		
	T 9/7	--		Assignment 1 (GS)
	W 9/8	Activity 3: Probability		
	F 9/10	Week 3 Lab: (Needs a name, graphing categorical data)		Week 3 Lab (GS)
<b>4</b>	Sun 9/12	--	§2.3; §2.4; §2.5	2.3 (D2L)
	M 9/13	Activity 4: IMDb Movie Reviews Part 1		Assignment 2 (GS)
	W 9/15	Activity 5: IMDb Movie Reviews Part 2		
	F 9/17	Week 4 Lab: Tip Percentages		Week 4 Lab (GS)
<b>5</b>	Sun 9/19	--	§3.1; §3.2; §3.3; §3.4;	Chapter3 (D2L) Chapter4 (D2L)

			§3.5; §4.1; §4.2; §4.4	
	M 9/20	Activity 6: Movie Profits Part 1		Assignment 3 (GS)
	W 9/22	Activity 7: Movie Profits Part 2		
	F 9/24	Week 5 Lab: Penguins		Week 5 Lab (GS)
<b>6</b>	M 9/27	Activity 8: Exam 1 Review		Assignment 4 (GS)
	W 9/29	<b>Midterm Exam 1</b>		
	F 10/1	<b>Group Midterm Exam 1</b>		
<b>7</b>	Sun 10/3	--	§5.1; §5.3.1 §5.3.2	5.1 (D2L) 5.3SimInf (D2L) Bootstrapping (optional) (D2L)
	M 10/4	Activity 9: Helper/Hinderer -Simulation Hypothesis Testing		
	W 10/6	Activity 10: Helper/Hinderer -Simulation Confidence Intervals		
	F 10/8	Week 7 Lab: Rat Empath		Week 7 Lab (GS)
<b>8</b>	Sun 10/9	--	§5.2; §5.3.3; §5.3.4 (new 2- sided); §5.4 (new errors)	5.2 (D2L) 5.3TheoryInf (D2L) 5.5 (D2L)
	M 10/11	Activity 11: Male Boxers - Theoretical Hypothesis Testing		Assignment 5 (GS)
	W 10/13	Activity 12: Male Boxers - Theoretical Confidence Intervals		
	F 10/15	Week 8 Lab: (needs name – single proportion)		Week 8 Lab (GS)
<b>9</b>	Sun 10/17	--	§5.5.1; §5.5.2 (new sim two prop)	5.4SimInf (D2L)
	M 10/18	Activity 13: Good Samaritan - Simulation Hypothesis Testing		Assignment 6 (GS)
	W 10/20	Activity 14: Good Samaritan - Simulation Confidence Intervals		
	F 10/22	Week 9 Lab: COVID-19 Infections by Vaccine Status		Week 9 Lab (GS)
<b>10</b>	Sun 10/24	--	§5.5.3 (new theory two prop); §5.6; §5.7; §5.8	5.4TheoryInf (D2L)

	M 10/25	Activity 15: Head Injuries by Helmet Use - Theoretical Hypothesis Testing		Assignment 7 (GS)
	W 10/27	Activity 16: Head Injuries by Helmet Use - Theoretical Confidence Intervals		
	F 10/29	Week 10 Lab: Diabetes Treatments		Week 10 Lab (GS)
<b>11</b>	M 11/1	Activity 17: Exam 2 Review		Assignment 8 (GS)
	W 11/3	<b>Midterm Exam 2</b>		
	F 11/5	<b>Group Midterm Exam 2</b>		
<b>12</b>	Sun 11/7	--	§6.1; §6.2	6.1 (D2L) 6.2 (D2L)
	M 11/8	Activity 17: COVID-19 and Air Pollution – Simulation Inference		
	W 11/10	Activity 18: Construction Costs – Theoretical Inference		
	F 11/12	Week 12 Lab: Pain and Profanity		Week 12 Lab (GS)
<b>13</b>	Sun 11/14	--	§6.3; §6.4; §6.5; §6.6	6.3
	M 11/15	Activity 19: Snowfall by Weather Pattern – Simulation Inference		Assignment 9 (GS)
	W 11/17	Activity 20: SUD Housing by Treatment – Theoretical Inference	Ch. 6 overview p. 323; §6.2 p. 331-340, 345- 346	
	F 11/19	Week 13 Lab: Hiking Trails		Week 13 Lab (GS)
--	M 11/22 – F 11/26	Thanksgiving/Fall recess		
<b>14</b>	Sun 11/28		§7.1; §7.2; §7.3	7.1and7.2
	M 11/29	Activity 19: Real Estate – Simulation Inference		Assignment 10 (GS)
	W 12/1	Activity 20: Bears – Theoretical Inference		
	F 12/3	Week 14 Lab: Bears (continued)		Week 14 Lab (GS)
<b>15</b>	M 12/6	Activity 21: Concussions		Assignment 11 (GS)
	W 12/8	Activity 22: Final exam review		
	F 12/10	<b>Final Exam</b>		
<b>16</b>	M 12/13	<b>Group Final Exam</b>		