

### 3Stat 216 Calendar of Topics and Due Dates – Spring 2022

\*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 (sections correspond to the online textbook)	Homework Videos (due in D2L at 8am), Labs (due in GS at 8pm), Assignments (due in GS at 8pm)
<b>1</b>	Wed 1/19	Syllabus Review	--	Instructor bio (optional) (D2L) Starting with R (optional) (D2L)
	Fri 1/21	Week 1 Lab: Martian Alphabet	§1.1; §1.2	Lab 0 (GS) (optional)
<b>2</b>	Mon 1/24	Week 2 Activity A: American Indian Address Part 1	§1.3; §1.4; §1.5; §1.6; §1.8	1.2.1_1.2.2 (D2L at 8am) 1.2.3_1.2.4_1.2.5 (D2L at 8am) 1.3 (D2L at 8am) 1.4to1.6 (D2L at 8am) Assignment 1 (GS at 8pm)
	Wed 1/26	Week 2 Activity B: American Indian Address Part 2		
	Fri 1/28	Week 2 Lab: Study Design		Week 2 Lab (GS at 8pm)
<b>3</b>	Mon 1/31	Week 3 Activity A: Myopia and Nightlights	§1.7; §2.1; §2.3; §2.4; §2.5	2.1 (D2L at 8am) MosaicPlots (D2L at 8am) 2.3 (D2L at 8am) Assignment 2 (GS at 8pm)
	Wed 2/2	Week 3 Activity B: IMDb Movie Reviews		
	Fri 2/4	Week 3 Lab: IPEDS		Week 3 Lab (GS at 8pm)
<b>4</b>	Mon 2/7	Week 4 Activity A: Movie Profits – Linear Regression	§3.1; §3.2; §3.3; §3.4; §3.5; §4.1; §4.2; §4.4	Chapter3 (D2L at 8am) Chapter4 (D2L at 8am) Assignment 3 (GS at 8pm)
	Wed 2/9	Week 4 Activity B: Movie Profits – Correlation		
	Fri 2/11	Week 4 Lab: Penguins		Week 4 Lab (GS at 8pm)
<b>5</b>	Mon 2/14	Week 5 Activity: Exam 1 Review		Islands_Introduction_F21 (D2L at 8am) Assignment 4 (GS at 8pm)

	Wed 2/16	<b>Group Midterm Exam 1</b>		
	Fri 2/18	<b>Midterm Exam 1</b>		
<b>6</b>	Mon 2/21	<b>No class – Presidents Day</b>		
	Wed 2/23	Week 6 Activity A: Helper/Hinderer - Simulation Hypothesis Testing	§5.1.1; §5.1.2; §5.1.3; §5.3.1 §5.3.2	5.1 (D2L at 8am) 5.3SimTest (D2L at 8am) One-Vs-Two-sided-Tests (D2L at 8am) Helper-Hinderer Experiment (D2L at 8am)
	Fri 2/25	Week 6 Lab: Helper/Hinderer (cont.)		Week 6 Lab (GS at 8pm)
<b>7</b>	Mon 2/28	Week 7 Activity A: Helper/Hinderer – Simulation Confidence Intervals	§5.1.4; §5.2; §5.3.3; §5.3.4; §5.4	5.3SimInterval (D2L at 8am) Bootstrapping (optional) (D2L at 8am) 5.2 (D2L at 8am) 5.3TheoryInf (D2L at 8am) 5.4 (D2L at 8am) Assignment 5 (GS at 8pm)
	Wed 3/2	Week 7 Activity B: Handedness of Male Boxers – Theory-based Inference		
	Fri 3/4	Week 7 Lab: Errors and Power		Week 7 Lab (GS at 8pm)
<b>8</b>	Mon 3/7	Week 8 Activity A: Good Samaritan - Simulation Hypothesis Testing	§5.5.1; §5.5.2	5.5SimInf (D2L at 8am) Assignment 6 (GS at 8pm)
	Wed 3/9	Week 8 Activity B: Good Samaritan - Simulation Confidence Intervals		
	Fri 3/11	Week 8 Lab – Fatal Injuries in the Illiad		Week 8 Lab (GS at 8pm)
--		<b>Spring Break</b>		
<b>9</b>	Mon 3/21	Week 9 Activity A: Head Injuries by Helmet Use - Theoretical Hypothesis Testing	§5.5.3; §5.6; §5.7; §5.8	5.5TheoryInf (D2L at 8am) Assignment 7 (GS at 8pm)
	Wed 3/23	Week 9 Activity B: Head Injuries by Helmet Use - Theoretical Confidence Intervals		
	Fri 3/25	Week 9 Lab – Diabetes		Week 9 Lab (GS at 8pm)
<b>10</b>	Mon 3/28	Week 10 Activity: Exam 2 Review		Assignment 8 (GS at 8pm)
	Wed 3/30	<b>Group Midterm Exam 2</b>		
	Fri 4/1	<b>Midterm Exam 2</b>		
<b>11</b>	Mon 4/4	Week 11 Activity A: COVID-19 and Air Pollution – Simulation Inference	§6.1; §6.2	6.1 (D2L at 8am) 6.2 (D2L at 8am)

	Wed 4/6	Week 11 Activity B: Color Interference – Theoretical Inference		
	Fri 4/8	Week 11 Lab: Swearing		Week 11 Lab (GS at 8pm)
<b>12</b>	Mon 4/11	Week 12 Activity A: Snowfall by Weather Pattern – Simulation Inference	§6.3; §6.4; §6.5; §6.6	6.3 (D2L at 8am) Assignment 9 (GS at 8pm)
	Wed 4/13	Week 12 Lab: Triple Crown		Week 12 Lab (GS at 8pm)
	Fri 4/15	<b>No class – University Day</b>		
<b>13</b>	Mon 4/18	Week 13 Activity A: Diving Penguins –Simulation Inference	§7.1; §7.2; §7.3	7.1and7.2 (D2L at 8am) Assignment 10 (GS at 8pm)
	Wed 4/20	Week 13 Activity B: Golf Driving Distance – Theoretical Inference		
	Fri 4/22	Week 13 Lab: COVID Immunization and Infection Rates		Week 13 Lab (GS at 8pm)
<b>14</b>	Mon 4/25	Week 14 Activity A: What’s the probability	§2.2; §5.5.1.4	2.2 (D2L at 8am) Relative_Risk (D2L at 8pm) Assignment 11 (GS at 8pm)
	Wed 4/27	Week 14 Activity B: Titanic Survivor – Relative Risk		
	Fri 4/29	Week 14 Lab: Efficacy of the COVID Vaccination		Week 14 Lab (GS at 8pm)
<b>15</b>	Mon 5/2	Week 15 Activity A: Data Exploration		Assignment 12 (GS at 8pm)
	Wed 5/4	Week 15 Activity B: Final exam review		
	Fri 5/6	<b>Group Final Exam</b>		
<b>16</b>	Mon 5/9 – Thurs 5/12	<b>Final Exam – Time, Date, Location TBD</b>		