

## Summer Session I 2023 Stat 216 Calendar

GS = Completed in Gradescope

| Week | In-Class Date | Activity/Lab   | Reading – Recommended due before class         | Videos – Due at 11:59 pm MST   | Assignments, Activities, Labs, Project Components - Due at 11:59 pm MST  |
|------|---------------|--|--|--|--|
| 1    | M 5/15        |  |  | <ul style="list-style-type: none"> <li>Course_Tour</li> <li>Instructor bio</li> </ul>  |  |
|      | T 5/16        | Module 1 and 2: Intro to Data, Sampling Methods, American Indian Address Parts 1 and 2, Study Design | §1.1; §1.2; §1.3; §1.4; §1.5; §1.6; §1.8       | <ul style="list-style-type: none"> <li>1.2.1_1.2.2</li> <li>1.2.3_1.2.4_1.2.5</li> <li>Starting with R</li> <li>1.3</li> <li>1.4to1.6</li> </ul> | <b>Last day to ADD online</b><br>GS: American Indian Address Parts 1 and 2<br>GS: Study Design   |
|      | W 5/17        | Module 3: Myopia and Nightlights, IMDb Movie Reviews, IPEDS  | §1.7, §2.1, §2.3; §2.4; §2.5;                  | <ul style="list-style-type: none"> <li>2.1</li> <li>MosaicPlots</li> <li>2.3</li> </ul>  |  |
|      | R 5/18        |  |  |  | <b>Last day to ADD with ADD/DROP form;</b><br><b>Last day to DROP online</b><br>GS: Myopia and Nightlights, IMDb Movie Reviews<br>GS: IPEDS<br>GS: Assign. 1 – module 2, 3 |
|      | F 5/19        |  |  |  | Google Drive: Collaborative Work Space   |
| 2    | M 5/22        | Module 4: Movie Profits – Regression and Correlation, Penguins                                       | §3.1; §3.2; §3.3; §3.4; §3.5; §4.1; §4.2; §4.4 | <ul style="list-style-type: none"> <li>Chapter3</li> <li>Chapter4</li> </ul>   | <b>Last day to DROP without a W</b>  |
|      | T 5/23        |  |  |  | GS: Movie Profits – Regression and Correlation<br>GS: Penguins<br>GS: Assign. 2 – module 4   |
|      | W 5/24        |  |  |  |  |
|      | R 5/25        | <b>EXAM 1</b>  |  |  |  |

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|----------|--------|--|--|---|--|
|          | F 5/26 |  |  |   | GS: Project Research Question and Study Design   |
| <b>3</b> | M 5/19 | <b>MEMORIAL DAY</b>  |  |   |  |
|          | T 5/30 | Module 6:<br>Helper-Hinderer:<br>Simulation Testing,<br>Helper/Hinderer (cont)   | §5.1.1; §5.1.2;<br>§5.1.3; §5.3.1;<br>§5.3.2 | <ul style="list-style-type: none"> <li>• 5.1</li> <li>• 5.3SimTest</li> <li>• One-vs-Two-Sided Tests<br/>Helper-Hinderer Experiment</li> </ul>    | GS: Handedness of Male Boxers<br>Simulation Testing<br>GS: Helper/Hinderer (cont)  |
|          | W 5/31 | Module 7:<br>Helper-Hinderer:<br>Estimation,<br>Handedness of Male<br>Boxers: Theory-based<br>Inference, Errors and<br>Power | §5.1.4; §5.2;<br>§5.3.3; §5.3.4;<br>§5.4     | <ul style="list-style-type: none"> <li>• 5.3SimInterval</li> <li>• Bootstrapping</li> <li>• 5.2</li> <li>• 5.3TheoryInf</li> <li>• 5.4</li> </ul> |  |
|          | R 6/1  |  |  |   | GS: Handedness of Male Boxers<br>Simulation Confidence Intervals,<br>Theory-based Inference<br>GS: Errors and Power<br>GS: Assign. 3 – module 6, 7 |
|          | F 6/2  |  |  |   | GS: Project Data   |
| <b>4</b> | M 6/5  | Module 8:<br>Good Samaritan<br>Simulation Testing,<br>Confidence Intervals,<br>Mushrooms                                     | §5.5.1; §5.5.2;                              | • 5.5SimInf   |  |
|          | T 6/6  |  |  |   | GS: Good Samaritan Simulation<br>Testing, Confidence Intervals<br>GS: Mushrooms<br>GS: Assign. 4 – module 8  |
|          | W 6/7  | Module 9:<br>Head Injuries by<br>Helmet Use –<br>Theoretical Testing,<br>Confidence Intervals,<br>Diabetes                   | §5.5.3; §5.6; §5.7;<br>§5.8                  | • 5.5TheoryInf  |  |

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|          | R 6/8  |   |                           |                | GS: Good Samaritan Simulation<br>Testing, Confidence Intervals<br>GS: Diabetes<br>GS: Assign. 5 – module 9 |
|          | F 6/9  |   |                           |                | GS: Project Descriptive Statistics   |
| <b>5</b> | M 6/12 | <b>EXAM 2</b>   |                           |                |  |
|          | T 6/13 | Module 11:<br>Swearing, Color<br>Interference                         | §6.1; §6.2                | • 6.1<br>• 6.2 | GS: Swearing, Color Interference<br>GS: Color Interference   |
|          | W 6/14 | Module 12:<br>Behavior and<br>Performance, Triple<br>Crown, Dinosaurs | §6.3; §6.4; §6.5;<br>§6.6 | • 6.3          |  |
|          | R 6/15 |   |                           |                | GS: Behavior and Performance, Triple<br>Crown<br>GS: Dinosaurs<br>GS: Assign. 6 – module 11, 12            |
|          | F 6/16 |   |                           |                | <b>Last day to DROP</b>  |
| <b>6</b> | M 6/19 | Module 13:<br>Crocodiles, Golf<br>Driving Distance, Big<br>Mac Index  | §7.1; §7.2; §7.3          | • 7.1and7.2    |  |
|          | T 6/20 |   |                           |                | GS: Crocodiles, Golf Driving Distance<br>GS: Big Mac Index<br>GS: Assign. 7 – module 13                    |
|          | W 6/21 |   |                           |                |  |
|          | R 6/22 | <b>EXAM 3</b>   |                           |                |  |
|          | F 6/23 |   |                           |                | GS: Project Inferential Statistics<br>GS: Group Project Eval   |