**Online Summer Session II 2024 Stat 216 Calendar**

GS = Completed in Gradescope

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| **Week** | **Completion Date** | **Activity/Lab** | **Reading – Recommended due before class** | **Videos – Due at 8 pm MST** | **Assignments, Activities, Labs, Project Components - Due at 8 pm MST** |
| **1** | M 6/24 |  |  | Course\_Tour  Instructor bio |  |
|  | T 6/25 | Module 1 and 2: Intro to Data, Sampling Methods,  American Indian Address Parts 1 and 2, Study Design | §1.1; §1.2; §1.3; §2.1; §2.2; §2.3; §2.4; §2.5 | Section 1.2.1 and 1.1.2  Section 1.2.3 and 1.2.4  Section 2.1  Section 2.2 to 2.4  GS: Module 1 and 2 Lecture Quiz | **Last day to ADD online**  GS: American Indian Address Parts 1 and 2  GS: Study Design |
|  | W 6/26 | Module 3:  Myopia and Nightlights, IMDb Movie Reviews, IPEDS | Ch 3; Ch 4; Ch 5 | Categorical\_EDA  Simpson’s Paradox  Quantitative\_EDA  Four Characteristics of Quantitative Plots  GS: Module 3 Lecture Quiz |  |
|  | R 6/27 |  |  |  | **Last day to ADD with ADD/DROP form;**  **Last day to DROP online**  GS: Myopia and Nightlights, IMDb Movie Reviews  GS: IPEDS  GS: Assign. 1 – module 2, 3 |
|  | F 6/28 |  |  |  | Google Drive: Collaborative Work Space |
| **2** | M 7/1 | Module 4:  Movie Profits – Regression and Correlation, Penguins | Ch 6; Ch 7; Ch 8 | Exploring Multivariable Data  Correlation  Multivariable Plots  GS: Module 4 Lecture Quiz | **Last day to DROP without a W** |
|  | T 7/2 |  |  |  | GS: Movie Profits – Regression and Correlation  GS: Penguins  GS: Assign. 2 – module 4 |
|  | W 7/3 |  |  |  |  |
|  | R 7/4 | **FOURTH of JULY** |  |  |  |
|  | F 7/5 |  |  |  | GS: Project Research Question and Study Design |
| **3** | M 7/8 | **EXAM 1** |  |  |  |
|  | T 7/9 | Module 6:  Helper-Hinderer: Simulation Testing, Helper/Hinderer (cont) | Ch 9; Ch 10; §14.1; §14.2 | Simulation Tests One Cat  Simulation Intervals One Cat  Impacts on Confidence Level  GS: Module 6 Lecture Quiz | GS: Helper-Hinder Confidence Interval and Hypothesis Test  GS: Helper/Hinderer (cont) |
|  | W 7/10 | Module 7:  Helper-Hinderer: Estimation, Handedness of Male Boxers: Theory-based Inference, Errors and Power | Ch 11; Ch 12; Ch 13; §14.3; §14.4 | Theoretical Test One Cat  Theoretical Intervals One Cat  Interpreting Confidence Level  Error, power, and practical importance  Practical importance  GS: Module 7 Lecture Quiz |  |
|  | R 7/11 |  |  |  | GS: Handedness of Male Boxers Theory-based Inference  GS: Errors and Power  GS: Assign. 3 – module 6, 7 |
|  | F 7/12 |  |  |  | GS: Project Data |
| **4** | M 7/15 | Module 8:  Good Samaritan Simulation Testing, Confidence Intervals, Mushrooms | §15.1; §15.2 | Simulation Test Two Cat  Simulation Intervals Two Cat  GS: Module 8 Lecture Quiz |  |
|  | T 7/16 |  |  |  | GS: Good Samaritan Simulation Testing, Confidence Intervals  GS: Mushrooms |
|  | W 7/17 | Module 9:  Head Injuries by Helmet Use – Theoretical Testing, Confidence Intervals, Diabetes | §15.3; §15.4; Ch 16 | Theoretical Test Two Cat  Theoretical Intervals Two Cat  GS: Module 9 Lecture Quiz |  |
|  | R 7/18 |  |  |  | GS: Winter Sports Helmet Use and Head Injuries  GS: Diabetes  GS: Assign. 4 – module 8, 9 |
|  | F 7/19 |  |  |  | GS: Project Descriptive Statistics |
| **5** | M 7/22 | **EXAM 2** |  |  |  |
|  | T 7/23 | Module 12:  COVID-19 and Air Pollution, Color Interference, Swearing | Ch 17; Ch 18 | Intervals Paired Data  Testing Paired Data  GS: Module 12 Lecture Quiz | GS: COVID-19 and Air Pollution, Color Interference  GS: Swearing |
|  | W 7/24 | Module 13:  Behavior and Performance, Triple Crown, Dinosaurs | Ch 19; Ch 20 | Testing Independent Samples  Intervals Independent Samples  GS: Module 13 Lecture Quiz | GS: Assign. 5 – module 12 |
|  | R 7/25 |  |  |  | GS: Behavior and Performance, Triple Crown  GS: Dinosaurs  GS: Assign. 6 – module 13 |
|  | F 7/26 |  |  |  | **Last day to DROP** |
| **6** | M 7/29 | Module 14:  Crocodiles, Golf Driving Distance, Big Mac Index | Ch 21; Ch 22 | Testing Two Quant Variables  Intervals Two Quant Variables  GS: Module 14 Lecture Quiz |  |
|  | T 7/30 |  |  |  | GS: Crocodiles, Golf Driving Distance  GS: Big Mac Index  GS: Assign. 7 – module 14 |
|  | W 7/31 |  |  |  |  |
|  | R 8/1 | **EXAM 3** |  |  |  |
|  | F 8/2 |  |  |  | GS: Project Inferential Statistics  GS: Group Project Eval |