**FINAL: SIBDS Course 2024 modules: 9am to 5pm, typically** 6**-**7 hrs/day distributed evenly between lectures and hands-on projects

***College of Science Room 271 FAU SE 43, Boca Raton campus unless stated otherwise.***

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| **W**  **K** | **MONDAY** | **TUESDAY** | **WEDNESDAY** | **THURSDAY** | **FRIDAY** |
| **1** | **MAY 20, 2024**  **Report 9am SE-43**  **Room SE 271**  **FREEMAN/CHANG**  9am: Introductions;  Choose random person to shadow--characteristics.  Parking Permits/Key cards/campus tour  **EVALUATION 1**  **FREEMAN:** Introduction to Biostatistics as methods relate to Research scenarios  Student meetings\* | **MAY 21, 2024**  **FREEMAN:** Contributions of Different Types of Evidence: Association and Causation. Study design;  Bias; Games: Research scenarios in groups.  **Room SE 215**  **MESSINGER:** 1:00pm **PROJECT 1**: ‘thinking about data’ (TAD)  **BURSAC 2:** 2:00pm Clinical Trials project  **CHANG 3:** 3:15pm R-Shiny, logistic regression/stroke project  Student meetings\* | **MAY 22, 2024**  **PROJECT 1** (9am-10am): review 2 articles: research questions, methodology, analytic approach;  **HENNEKENS** (10-11:30am) Epidemiology  **FREEMAN:** 1-4:30pmIntroduction to biostatistics; intro to SAS programming  **GROUP SELECTION (1,2,3)** | **MAY 23, 2024**  **CHANG: (9am-12pm) Intro to R:**  **REBAR**: (1:00 to 2:30pm) systematic reviews  **FREEMAN: (**2:30 to 3:15pm) SAS programming using TAD data or other data.  **SCHLESINGER:** (3:30-5:00)pm  Room 271: **Life Skills**—origins of stress and recognition in self | **MAY 24, 2024**  **PROJECT 1 MESSINGER (TAD)** literature search, coding, analysis |
| **2** | **HOLIDAY: MAY 27, 2024** | **MAY 28, 2024**  **FREEMAN:** Randomized Controlled Trials (RCT);  **MONESTIME** Capturing SDOH Data in EHRs(1-5pm) | **MAY 29, 2024**  **IBRAHIMOU:** (9am-12,  1-5pm)  \*student barbeque | **MAY 30, 2024**  9am-12pm, 1pm-4pm  **CANIZARES:** Data Science using R  Dinner with students | **MAY 31, 2024**  **MESSINGER: PROJECT 1(TAD)**  **BURSAC: PROJECT 2 (RCT):** coding, analysis; interpretation/diabetes RCT  **CHANG RESEARCH ASSISTANT: PROJECT 3** introduction to the R programming language; download PROJECT 3 (stroke)  **EVALUATION 2 (12pm)** |
| **3** | **JUNE 3, 2024**  **MCCONNELL**  (9am-12pm, 1-5pm)  Network Analysis & Health  GROUP project (for class)  With RA | **JUNE 4, 2024**  **NEWMAN** (9am-12pm, 1-5pm)  Biostatistics 4; Multiple Linear and Logistic Regression; | **JUNE 5, 2024**  **NEWMAN/HOLT:** (9am-12pm; 1 to 4pm)  Generalized mixed models & estimating equations  GROUP: analyze TAD or RCT  Student meetings\* | **JUNE 6, 2024**  **CANIZARES:** Data Science using R 9am-12pm, 1pm-4pm  GROUP: analyze TAD or RCT  Student meetings\* | **JUNE 7, 2024**  **PROJECT 1 MESSINGER**  **PROJECT 2 BURSAC**  **PROJECT 3:** **CHANG** introduction to the R programming language; download PROJECT 3 (stroke) |
| **4** | **JUNE 10, 2024**  **FREEMAN:** Meta-analysis (basic) (9am-10:45am)  Library 11am-12: LIB Gruber Sandbox  **FREEMAN**  (1:30pm-3:15pm)  Power Analysis in SAS  **SCHLESINGER:** Life Skills 3:30pm | **JUNE 11, 2024**  **CORDERO:** Causal inference (3 hrs) 9am – 12pm  **BAINTER:** Predictor Selection for Regression Models (1-5pm) | **JUNE 12, 2024**  **FREEMAN** (9-12pm)  Responsible conduct of Research; Ethics course/movie  Miss Evers’ Boys with discussion;  **TARSHA JONES**  (1:30-3:30pm) interactive consulting session: multiracial women at high risk of breast cancer | **JUNE 13, 2024**  **CANIZARES:** Data Science using R 9am-12pm, 1pm-4pm | **JUNE 14, 2024**  **PROJECT 2 BURSAC**  **PROJECT 3 CHANG:** Programming with R Shiny |
| **5** | **JUNE 17, 2024**  **FREEMAN:**  (9am-10:45pm)  Survival /recurrent event analysis  11am: effective resume building SU80 RM222  (1pm-4pm)  Projects 1, 2, 3 | **JUNE 18, 2024**  **TUNCER:** (9am-12pm) Epidemic Models  **ALEXANDRE:**  (1am-5pm) Health Economics Burden | **JUNE 19, 2024**  **FREE DAY**  **MIAMI MARLINS 12:40pm vs. STL** | **JUNE 20, 2024**  **CANIZARES:** Data Science using R 9am-12pm, 1pm-4pm  **Life Skills:** key lime pies; barbeque | **JUNE 21, 2024**  **CHANG:** **PROJECT 3:** Programming with R Shiny  9am-12pm  Projects 1, 2, 3 |
| **6** | **JUNE 24, 2024**  ***TABER*** (9:00am-12:00pm)  Scientific Communication  Photos  Help with projects/presentations | **JUNE 25, 2024**  Scientific Communication  SAS: multilevel models  Finalize Group projects: mentored help  Life Skills: Finance Presentation\*\*  Dinner with students | **JUNE 26, 2024**  **NIELSEN** (1 hr)Grantsmanship; supporting graduate education.  Student Presentations (10:30am-12pm; 1:30-3:30pm), discussion  **LEVY** data integrity, good practices (3:45-5pm) | **JUNE 27, 2024: CAREER DAY**  **Room SE 215**  **BURZAC, FREEMAN, CHANG**  9am-10:15pm  **NIELSEN:** Interview info/mock 10:30am-12pm  Lunch: **EVALUATION 3**  Former/Current Grad Student Career presentations: 1-4pm | **JUNE 28, 2024**  packing up and going home |

\*Student meetings: 3-5 minutes to review needs and wants of students; week 3 includes identifying characteristics of person shadowed and reflection

\*\*Students requested presentation on budgeting (JD/MS taxation prepared talk with FREEMAN annotating and presenting)

NOTE: SCHEDULE subject to change.