**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 scenariosStudent 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 projectStudent 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)pmRoom 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 RDinner 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 & HealthGROUP 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 RCTStudent meetings\* | **JUNE 6, 2024****CANIZARES:** Data Science using R 9am-12pm, 1pm-4pmGROUP: analyze TAD or RCTStudent 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 Shiny9am-12pmProjects 1, 2, 3 |
| **6** | **JUNE 24, 2024*****TABER*** (9:00am-12:00pm)Scientific CommunicationPhotosHelp with projects/presentations | **JUNE 25, 2024**Scientific CommunicationSAS: multilevel modelsFinalize Group projects: mentored helpLife 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-12pmLunch: **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.