

**SIBDS Course 2023 modules: 9am to 5pm, typically 7-8 hrs/day distributed evenly between lectures and hands-on projects
College of Science Room 271 FAU Boca Raton campus unless stated otherwise.**

W K	MONDAY	TUESDAY	WEDNESDAY	THURSDAY	FRIDAY
1	<p>MAY 22, 2023 Report 9am SE-43 Rm271 FREEMAN/CHANG 9am: Introductions; Choose random person to shadow. Parking Permits/Key cards/campus tour</p> <p>EVALUATION 1 FREEMAN: Assign 3 groups/leaders</p> <p>Biostatistics methods as they relate to Research scenarios</p>	<p>MAY 23, 2023 FREEMAN: Contributions of Different Types of Evidence: Association and Causation. Study design; Review research scenarios in groups.</p> <p>MESSINGER: 2:30pm (1 hr) PROJECT 1: 'thinking about data' (TAD) dataset. Room SE 215 SCHLESINGER: 3:45pm Room 271: Life Skills</p>	<p>MAY 24, 2023 PROJECT 1 (9am-10am): draft research questions, methodology, analytic approach; presentations/written</p> <p>HENNEKENS epidemiology (10-11:30am)</p> <p>MONESTIME Capturing SDOH Data in EHRs (1-5pm)</p>	<p>MAY 25, 2023 9am-12pm, 1pm-4pm KHOSHGOFTAAR DS: define ML, AI, big data Exercise 1: predict cognition from feature variables</p>	<p>MAY 26, 2023 9am-12pm CHANG: introduction to the R programming language; download PROJECT 3 (stroke)</p> <p>1pm-4pm CHANG: Sampling distributions; Visualization with ggplot Exploratory data analysis Groups:</p>
2	<p>HOLIDAY: MAY 29, 2023</p>	<p>MAY 30, 2023 BURSAC: PROJECT 2: RCT dataset: clarify research questions, methods, analytic strategy; reporting; intro to SAS programming. 9am-12pm</p> <p>FREEMAN: Randomized Controlled Trials (RCT); Assign groups: afternoon</p>	<p>MAY 31, 2023 CORDERO: Causal inference (3 hrs) 9am – 12pm</p> <p>BAINTER: Predictor Selection for Regression Models (1-5pm)</p>	<p>JUNE 1, 2023 9am-12pm, 1pm-4pm KHOSHGOFTAAR DS: discuss Exercise 1 Initiate Exercise 2</p>	<p>JUNE 2, 2023 CHANG: PROJECT 3: Programming with R Shiny</p> <p>FREEMAN/BURSAC: PROJECT 2 (RCT): literature review; analysis; Missing Data; CONSORT</p> <p>PROJECT 1 (TAD) EVALUATION 2</p>
3	<p>JUNE 5, 2023 MCCONNELL (9am-12pm, 1-5pm) Network Analysis & Health GROUP project (for class)</p>	<p>JUNE 6, 2023 ALEXANDRE: (9am-1pm) Health Economics Burden</p> <p>TUNCER: (2-5pm) Epidemic Models</p>	<p>JUNE 7, 2023 NEWMAN (9am-12pm, 1-5pm) Biostatistics 4; Multiple Linear and Logistic Regression; GROUP: analyze TAD or RCT</p>	<p>JUNE 8, 2023 9am-12pm, 1pm-4pm KHOSHGOFTAAR DS: discuss Exercise 2 Weka ML programming tool Exercise 3: ensemble learn</p>	<p>JUNE 9, 2023 GUMBO LIMBO/BEACH DINNER</p>
4	<p>JUNE 12, 2023 TUNCER: (9am-12pm): Epidemic Models</p> <p>FREEMAN (1-5pm) SAS Projects 1, 3</p>	<p>JUNE 13, 2023 IBRAHIMOU: (9am-12, 1-5pm)</p>	<p>JUNE 14, 2023 FREEMAN (9-12pm) Ethics course/movie with discussion; Responsible conduct of Research; TARSHA JONES</p>	<p>JUNE 15, 2023 9am-12pm, 1pm-4pm KHOSHGOFTAAR DS: discuss Exercise 3 Weka ML assumptions Exercise 4: contrast projects</p>	<p>JUNE 16, 2023 PROJECTS 1, 2 and 3 CONT'D MESSINGER</p>

			(1:30-3:30pm) interactive consulting: women at high risk of breast cancer LEVY data integrity, good practices (3:45-5pm)		
5	JUNE 19, 2023 FREEMAN: (9am-12pm) Survival /recurrent analysis FREEMAN (1-3:15pm) Power Analysis in SAS survival analysis SCHLESINGER: 3:30pm	JUNE 20, 2023 NEWMAN/HOLT: (6 hrs) Generalized mixed models & estimating equations GROUP: analyze TAD or RCT	JUNE 21, 2023 Miami Marlins vs. Toronto Blue Jays leave 10am from dorm or other event	JUNE 22, 2023 Projects 1, 2: PADRON: Systematic review (draft); FREEMAN: Meta-analysis (basic)	JUNE 23, 2023 CHANG: 9-10:30am Introduction to Genetics PROJECTS 1, 2 and 3 CONT'D MESSINGER
6	JUNE 26, 2023 Finalize Group projects; mentored help	JUNE 27, 2023 TABER (9:30-12:00am) Scientific Communication Photos Finalize Group projects: mentored help Finalize posters/presentations	JUNE 28, 2023 VIVIANI: (1 hr) Grantsmanship; supporting graduate education. Presentations (10:30am-12pm; 1:30-5pm)	JUNE 29, 2023: CAREER DAY Room SE 215 MESSINGER, BURZAC, FREEMAN, CHANG 9am-12pm Student Lunch: EVALUATION 3 NIELSEN: Interview info/mock 2-3pm Career Planning 3-5pm	JUNE 30, 2023 packing up and going home

*Life Skills Cooking demo in the dorms June 17th