



PIPELINES INTO BIOSTATISTICS

2016 Summer Program

#HarvardSPB

Sunday, June 12 - Saturday, July 23

WEEK 1

Sunday, June 12

1:00pm

Program Outing: Boston Duck Tour

Esther Fevrier, Gino Lerebours, Heather Mattie, and Kamrine Poels will meet you at the entrance of the Treehouse

5:00pm

Welcome Dinner: Mission Bar & Grill located at 724 Huntington Avenue

Monday, June 13

9:00 - 10:25am

Orientation: 2-426

Jessica Boyle, Program Manager
Dan Finkelstein, Program Evaluator

10:30 - 12:00pm

Programming Workshop: Kresge LL6

12:00 - 1:00pm

[Break for Lunch]

1:00 - 2:15pm

Research Introductions: 2-426

PROJECT 1: *Tracking the Effectiveness of Power Plant Pollution Regulations*
Faculty: Cory Zigler
Postdoc Mentor: Chanmin Kim

PROJECT 2: *Changes in Health-Related Quality of Life after Bone Marrow Transplantation for Severe Sickle Cell Disease*
Faculty: Donna Neuberg
Postdoc Mentor: Kristen Stevenson

PROJECT 3: *Ensemble Prediction with Health Data*
Faculty: Sherri Rose
Graduate Mentor: Savannah Bergquist

PROJECT 4: *Design Considerations for Two-Phase Studies in Cluster-Correlated Settings, with Application to Anti-Retroviral Treatment Programs in Resource-Limited Settings*
Faculty: Sebastien Haneuse
Postdoc Mentor: Claudia Rivera

PROJECT 5: *Controversy in Genomics*
Faculty: Rafa Irizarry
Graduate Mentor: William Townes

2:30 - 4:00pm

Public Health Overview, Part One: Kresge 502

5:00 - 7:30pm

HSPH-wide Summer Program Scavenger Hunt: Meet in Kresge Cafeteria
This event will end at Felipe's Taqueria in Harvard Square. Bring cash for dinner!

Tuesday, June 14

9:00 - 10:30am

Public Health Overview, Part Two: Kresge 502

10:45 - 1:15pm

Introduction to Biostatistics: 2-426

Instructor: Heather Mattie, PhD Candidate, Department of Biostatistics

This class will usually take place each morning from 9:00-11:30am, M-Th, and 9-10am on Fridays. Introduction to Biostatistics acquaints the student with the basic concepts and methods of biostatistics, their applications, and their interpretation. The material covered includes data presentation, numerical summary measures, rates and standardization, and life tables. Probability is introduced to quantify uncertainty, especially as it pertains to diagnostic and screening methods. Also covered are sampling distributions so that students may be introduced to confidence intervals and hypothesis testing. Computers are used throughout the course, and the student will gain familiarity with the software package R.



1:15 - 2:30pm **Welcome Lunch** with Rebecca Betensky: 2-426
Professor of Biostatistics & Director of the Summer Program

2:30 - 4:30pm **Diversity & Inclusion Meeting:** Kresge 202

5:30 - 6:30pm **Kaplan Orientation** [dinner provided]: Kresge G1
6:30 - 9:00pm **Kaplan GRE Prep Course (#1):** Longwood Medical Area
Breakout rooms: Kresge 200, 201, and 202B

Wednesday, June 15

9:00 - 11:30am **Introduction to Biostatistics:** 2-426

11:30 - 3:30pm **Research Group Meetings**
Use this time to have your first meeting with your faculty research mentor and assistant research mentor to discuss your summer research project.

5:30 - 7:00pm **Evening Conversation** [dinner provided]: Nancy Krieger, FXB G12

Thursday, June 16

9:00 - 11:30am **Introduction to Biostatistics:** 2-426

11:30 - 1:00pm **Afternoon Seminar** [lunch provided]: Shirley Liu, 2-426

Friday, June 17

9:00 - 10:00am **Introduction to Biostatistics:** 2-426

10:00 - 12:00pm **Professional Development Workshop Series:** FXB G13
Networking 101
Cesar Mieses, Assistant Director of HR and Recruitment Services

12:30 - 2:00pm **Department of Biostatistics, Admissions** [lunch provided]: 2-426
Paige Williams, Director of Graduate Studies, Senior Lecturer on Biostatistics

3:30 - 5:30pm **Programming Workshop:** FXB G10

Saturday, June 18

10:00 - 12:30pm **Kaplan GRE Prep Course (#2):** Harvard Square
Science Center 216, 304, 309, 309A; 1 Oxford Street, Cambridge, MA

Getting to GRE Prep in Cambridge

Take the M2 shuttle from Avenue Louis Pasteur to the last stop in Harvard Square. Walk up Mass Ave and take a right through the McKean gate (immediately past the bus stop shelter) into Harvard Yard. Follow that path straight through the Yard (past the John Harvard statue – rub the foot for good luck!), exiting the other side. The Science Center will be directly in front of you.

WEEK 2

Monday, June 20

9:00 - 11:30am **Introduction to Biostatistics:** 2-426

1:00 - 3:00pm **Program Outing: Harvard Tour**
Meet Sarah Anoke, PhD Candidate, in Harvard Square in front of Pinkberry (1380 Mass Ave)
It can be very hot, so bring sunscreen and water!

5:30 - 7:00pm **Evening Conversation** [dinner provided]: Rafa Irizarry, Kresge 502

Tuesday, June 21

9:00 - 11:30am **Introduction to Biostatistics:** 2-426



11:30 - 1:00pm

Faculty Lunch [lunch provided]: 2-426

Informal lunch with biostatistics faculty

5:00 - 6:30pm

Evening Conversation [dinner provided]: Walter Willett, Kresge 502

6:30 - 9:00pm

Kaplan GRE Prep Course (#3): Longwood Medical Area

Wednesday, June 22

9:00 - 11:30am

Introduction to Biostatistics: 2-426

2:30 - 5:30pm

Programming Workshop: FXB G10

Thursday, June 23

9:00 - 11:30am

Introduction to Biostatistics: 2-426

12:30 - 2:00pm

Afternoon Seminar [lunch provided]: GC Yuan, 2-426

5:30 - 7:00pm

Evening Conversation [dinner provided]: Meredith Rosenthal, Kresge 502

Friday, June 24

9:00 - 10:00am

Introduction to Biostatistics: 2-426

10:00 - 12:00pm

Professional Development Workshop Series: Kresge 202

Navigating Academia

Dr. Monik Jimenez, Instructor in Medicine

2:30 - 5:30pm

Programming Workshop: FXB G10

Saturday, June 25

10:00 - 12:30pm

Kaplan GRE Prep Course (#4): Harvard Square

WEEK 3

Sunday, June 26

12:00 - 2:00pm

Summer Program BBQ: HMS Quad

Monday, June 27

9:00 - 11:30am

Introduction to Biostatistics: 2-426

12:30 - 2:00pm

Afternoon Seminar [lunch provided]: Eric Tchetgen Tchetgen, 2-426

5:30 - 7:00pm

Evening Conversation [dinner provided]: Doug Dockery, FXB G12

Tuesday, June 28

9:00 - 11:30am

Introduction to Biostatistics: 2-426

2:30 - 5:30pm

Programming Workshop: FXB G10

6:30 - 9:00pm

Kaplan GRE Prep Course (#5): Longwood Medical Area

Wednesday, June 29

9:00 - 11:30am

Introduction to Biostatistics: 2-426

2:30 - 5:00pm

Annual Summer Gathering

Organized by Harvard Integrated Life Sciences (HILS) member programs and the Graduate School of Arts & Sciences (GSAS), this program will provide information about graduate school opportunities and application procedures. It takes place on the Cambridge campus.

2:30 Panel Discussion at the Dudley Dining Commons

4:00 GSAS Graduate School Fair at the Science Center

5:30 - 7:00pm

Evening Conversation [dinner provided]: Eric Rimm, Kresge 502

Thursday, June 30

9:00 - 11:30am

Introduction to Biostatistics: 2-426

1:00 - 2:30pm

Afternoon Seminar [lunch provided]: Giovanni Parmigiani, 2-426

5:30 - 7:00pm

Evening Conversation [dinner provided]: Francesca Dominici, Kresge 502



Friday, July 1

9:00 - 10:00am
10:00 - 12:00pm

Introduction to Biostatistics: 2-426
Professional Development Workshop Series: Kresge 202
Admissions Overview: What Do We Look For In Prospective Students?
Felisa Nobles, Director of Recruitment Programs & Special Assistant to the Associate Dean of Diversity
Kerri Noonan, Associate Director of Admissions
Programming Workshop: FXB G10

2:30 - 5:30pm

Saturday, July 2

10:00 - 12:30pm

Kaplan GRE Prep Course (#6): Harvard Square

WEEK 4

Monday, July 4

SCHOOL CLOSED FOR HOLIDAY

Tuesday, July 5

9:00 - 11:30am
12:30 - 2:00pm
5:00 - 6:30pm
6:30 - 9:00pm

Introduction to Biostatistics: 2-426
Afternoon Seminar [lunch provided]: John Quackenbush, 2-426
Evening Conversation [dinner provided]: Ichiro Kawachi, FXB G12
Kaplan GRE Prep Course (#7): Longwood Medical Area

Wednesday, July 6

9:00 - 11:30am
2:30 - 5:30pm
7:10pm

Introduction to Biostatistics: 2-426
Programming Workshop: FXB G10
Program Outing: Boston Red Sox vs. Texas Rangers

Thursday, July 7

9:00 - 11:30am

Introduction to Epidemiology: 2-426
Instructor: Olivia Orta, PhD Candidate
This course is an introduction to the principles and methods of epidemiologic research. The course will meet regularly for 2.5-hour lectures (except Fridays, which are 1 hour). Attendance to all lectures is mandatory and you are required to be on time. If you have any questions/ concerns about any course material, level/pace of the course, etc. please feel free to contact Olivia. This course assumes no prior knowledge of epidemiology.

11:45 - 1:15pm

Student Lunch [lunch provided]: 2-426
Informal lunch with biostatistics graduate students

5:30 - 7:00pm

Evening Conversation [dinner provided]: William Mair, FXB G12

Friday, July 8

9:00 - 10:00am

Introduction to Epidemiology: 2-426

10:00am - 12:00pm

Professional Development Workshop Series: 2-426
Presentation is Everything: Resumes, Interviews, and How to Secure Your Next Opportunity
Randi Friedman, Director of Career Advancement
Dustin Gee, Assistant Director of Employee Relations

Saturday, July 9

10:00am - 12:00pm

Kaplan GRE Prep Course (#8): Harvard Square

WEEK 5

Monday, July 11

9:00 - 11:30am
12:30 - 2:00pm

Introduction to Epidemiology: 2-426
Afternoon Seminar [lunch provided]: Rebecca Betensky, 2-426



Tuesday, July 12

9:00 - 11:30am
5:00 - 6:30pm
6:30 - 9:00pm

Introduction to Epidemiology: 2-426
Evening Conversation [dinner provided]: Donna Neuberger, FXB G13
Final GRE Prep Course (#9): Longwood Medical Area

Wednesday, July 13

9:00 - 11:30am
5:30 - 8:00pm

Introduction to Epidemiology: 2-426
Industry Night:
Lavine Family Dining Pavilion, 3rd Floor
Yawkey Center for Cancer Care, Dana-Farber

Thursday, July 14

9:00 - 11:30am
12:30 - 2:00pm
5:30 - 7:00pm

Introduction to Epidemiology: 2-426
Afternoon Seminar [lunch provided]: Marcello Pagano, Kresge 200
Evening Conversation [dinner provided]: Willie Parker, Kresge 502

Friday, July 15

9:00 - 10:00am

Introduction to Epidemiology: 2-426

WEEK 6

Monday, July 18

9:00 - 11:30am
5:30 - 7:00pm

Introduction to Epidemiology: 2-426
Evening Conversation [dinner provided]: Xihong Lin, FXB G13

Tuesday, July 19

9:00 - 11:30am
5:30 - 7:00pm

Introduction to Epidemiology: 2-426
Evening Conversation [dinner provided]: Zhi-Min Yuan, FXB G13

Wednesday, July 20

9:00 - 11:30am

Practice Sessions
Get feedback on your presentation

12:30 - 5:00pm

Afternoon for preparing and practicing

Thursday, July 21

8:30 - 4:00pm

Pipelines Into Biostatistics Annual Symposium: Yawkey 306/307
Wear your business attire!

Friday, July 22

11:00 - 1:00pm
1:00 - 2:00pm
2:15 - 3:15pm

Pipelines Into Biostatistics Certificate Ceremony [lunch provided]: Kresge 907
Evaluations with Dan, Group 1: Kresge 204
Evaluations with Dan, Group 2: Kresge 204