WEEK 1
Sunday, June 9

Settle into your dorm rooms and explore the city. Perhaps go to dinner near Fenway Park as a group!

Monday, June 10

9:30 - 12:00pm  Orientation [light breakfast provided]: 2-426
   9:30 Introductions, Code of Conduct Form, Stipends, Harvard IDs
   10:45 IT Help: Novell Log in, Connecting to the Internet, Downloading R
   11:30 HSPH Mini Tour with Christina Howe

12:00 - 1:00pm  Welcome Lunch with Department Chair [lunch provided]: 2-426
   John Quackenbush, PhD
   Henry Pickering Walcott Professor of Computational Biology and Bioinformatics
   Chair, Department of Biostatistics

1:00 - 2:00pm  Research Project Introductions: 2-426
   PROJECT 1: Applied Statistics Project with R
   Faculty: Rafael Irizarry, PhD
   Graduate Student Mentor: Isabella Grabski
   PROJECT 2: Causal Inference for Microbiome Species Effect on Complex Diseases and Traits
   Faculty: Liming Liang, PhD
   Graduate Student Mentor: Luli Zou

2:00 - 4:00pm  GRE Assessment and IRB Training: 2-426

4:00 - 5:00pm  HSPH-wide Summer Program Scavenger Hunt: Kresge Atrium

Tuesday, June 11

10:00 - 11:30am  Professional Development Workshop Series: FXB - G13
   Monik Jimenez, Sc.D, Instructor in Medicine, HMS, BWH

12:30 - 1:00pm  Research Project Assignments with Priti: 2-426

1:30 - 3:30pm  Public Health Overview with HSPH Summer Program Students, Part One: FXB G-13

3:30 - 5:30pm  Introduction to Biostatistics: 2-426
   Instructor: Kamrine Poels, 4th Year PhD Student in Department of Biostatistics
   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.
**Wednesday, June 12**

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

12:00 - 1:00pm  Afternoon Seminar: 2-426
Xihong Lin, PhD
Professor of Biostatistics
Former Department Chair of Biostatistics, Director of PQG

2:00 - 4:00pm  Public Health Overview with HSPH Summer Program Students, Part One: FXB G-13

6:00 - 8:30pm  Welcome Dinner with HSPH Summer Program Students at King's Bowling: 50 Dalton Street, Boston, MA

**Thursday, June 13**

9:30 - 11:30am  Programming Workshop: 2-426
Instructor: Shayna Stein, 4th Year PhD Student in Department of Biostatistics

12:30 - 2:00pm  Lunch with Graduate Students [lunch provided]: 2-426

2:00 - 6:00pm  Research Group Meetings
Use this time (and other free times) to meet with your faculty mentor and postdoc/graduate student mentor to discuss/work on your summer research project.

**Friday, June 14**

8:30 - 10:00am  HSPH Summer Program Breakfast [breakfast provided]: Epi Library-Kresge 907

1:30 - 3:30pm  Programming Workshop: 2-426

4:00 - 6:00pm  Research Group Meetings

**Saturday, June 15**

3:30 - 6:00pm  Program Outing: Boston Duck Tour
Location: Prudential Duck Stop, 53 Huntington Ave, Boston, MA 02116

**WEEK 2**

**Monday, June 17**

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

12:30 - 2:00pm  Welcome Lunch with Director of Summer Program in Biostatistics & Computational Biology [lunch provided]: 2-426
Marcello Pagano, PhD
Director of Summer Program in Biostatistics & Computational Biology and Professor of Statistical Computing

2:30 - 4:00pm  GRE Prep: 2-426
Instructor: Beth Welch

4:00 - 6:00pm  Research Group Meetings
Tuesday, June 18

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

1:30 - 3:00pm  Program Outing: Harvard Yard Tour in Cambridge
    Suggestion: Have lunch in Harvard Square before the tour!
    Meet Ula Widocki, SM Student, at 1:30pm in Harvard Square in front of Pressed Juice (1380 Mass Ave)

4:00 - 6:00pm  Research Project

Wednesday, June 19

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

12:30 - 1:30pm  Lunch with Biostatistics Faculty [lunch provided]: 2-426

2:00 - 3:30pm  GRE Prep: 2-426

5:00-7:00pm  HILS Summer Gathering Event
    HILS Summer Gathering food and networking fest (i.e. indoor BBQ) at the Queens Head Pub
    Location: Harvard Queens Head Pub (the basement of Memorial Hall), 45 Quincy Street, Cambridge

Thursday, June 20

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

1:00 - 2:00pm  Department of Biostatistics, Admissions: 2-426
    Paige Williams, PhD
    Director of Graduate Studies, Senior Lecturer on Biostatistics, Departments of Biostatistics & Epidemiology

2:00 - 4:00pm  Programming Workshop: 2-426

5:30 - 7:30pm  Summer Programs Dinner [dinner provided]
    Harvard Medical School Courtyard Café, Warren Alpert Building, 200 Longwood Avenue, Boston, MA 02115

Friday, June 21

8:30 - 10:00am  HSPH Summer Program Breakfast: Epi Library-Kresge 907

10:00 - 12:00pm  Professional Development Workshop Series: FXB G-13
    Admissions Overview: What Do We Look For In Prospective Students?
    Kerri Noonan, Associate Director of Admissions

12:30 - 2:00pm  Afternoon Seminar: 2-426
    Heather Mattie, PhD
    Executive Director of Master’s Program in Health Data Science, Instructor of Data Science, Department of Biostatistics

2:30 - 4:00pm  GRE Prep: 2-426

4:00 - 5:00pm  Biostatistics Professional Development Writing Workshop: 2-426
    Amanda King, Program Coordinator, Department of Biostatistics
WEEK 3

Monday, June 24

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

1:00 - 2:15pm  Afternoon Seminar: 2-426
Curtis Huttenhower, PhD
Professor of Computational Biology and Bioinformatics, Departments of Biostatistics & Immunology and Infectious Diseases

2:30 - 3:30pm  Research Project

3:30 - 5:00pm  GRE Prep: 2-426

5:00 - 6:30pm  Evening Conversation [dinner provided]: Kresge 502
Irene Heinz Given Professor of Immunology and Infectious Diseases
Chair, Department of Immunology and Infectious Diseases

Tuesday, June 25

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

1:00 - 2:00pm  Brand Building and Networking through Social Media: A Conversation with a Current PhD Student
Jemar Bather

2:00 - 3:30pm  Research Project

3:30 - 5:30pm  Programming Workshop: 2-426

Wednesday, June 26

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

12:30 - 2:00pm  GRE Prep: 2-426

2:00 - 5:00pm  Museum of Fine Arts [free with Harvard ID]: 465 Huntington Avenue, Boston, MA

5:30 - 7:00pm  Evening Conversation [dinner provided]: Kresge 502
Frank Hu, PhD
Fredrick J. Stare Professor of Nutrition and Epidemiology
Chair, Department of Nutrition; Departments of Nutrition & Epidemiology

Thursday, June 27

9:30 - 12:00pm  Introduction to Biostatistics: 2-426

12:30 - 2:00pm  Afternoon Seminar: 2-426
Drs. Radhika Khetani, Meeta Mistry, Mary Piper
Bioinformatics Core, Department of Biostatistics

2:00 - 6:00pm  Research Project
Friday, June 28
8:30 - 10:00am  HSPH Summer Program Breakfast: Epi Library-Kresge 907
10:00 - 12:00pm  Professional Development Workshop Series: FXB G-13
Tips and Tricks for Creating Poster Presentations for Your Research
Beth Beighlie, Harvard Medical School, IT Client Services Representative/Research Imaging Solutions
1:00 - 5:00pm  Research Project

WEEK 4

Monday, July 1
9:30 - 12:00pm  Introduction to Biostatistics: 2-426
12:30 - 2:00pm  Afternoon Seminar: 2-426
2:00 - 4:00pm  Programming Workshop: 2-426
4:00 - 5:00pm  Research Project
5:30 - 7:00pm  Evening Conversation [dinner provided]: FXB G-13
Meredith Rosenthal, PhD
C. Boyden Gray Professor of Health Economics and Policy
Department of Health Policy and Management

Tuesday, July 2
9:30 - 12:00pm  Introduction to Biostatistics: 2-426
12:30 - 2:00pm  GRE Prep: 2-426
2:00 - 3:30pm  Research Project
3:30 - 5:30pm  Programming Workshop: 2-426

Wednesday, July 3
9:30 - 11:30am  Introduction to Epidemiology: 2-426
Instructors: David Cote, PhD Student in Department of Epidemiology and
Louisa Smith, 4th year PhD Student in Department of Epidemiology
This course is an introduction to the principles and methods of epidemiologic research. The course will meet
regularly for 2 hour lectures. Attendance to all lectures is mandatory and you are required to be on time. This
course assumes no prior knowledge of epidemiology.
12:30 - 2:30pm  Programming Workshop: 2-426
2:30 - 5:00pm  Research Project

Thursday, July 4 and Friday, July 5
SCHOOL CLOSED FOR HOLIDAY
WEEK 5

Monday, July 8
9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:00 - 1:30pm  Afternoon Seminar: 2-426
1:30 - 4:30pm  Research Project
4:30 - 5:30pm  GRE Prep: 2-426

Tuesday, July 9
9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:00 - 1:30pm  Afternoon Seminar: 2-426
   Briana Stephenson, PhD
   Assistant Professor in Department of Biostatistics
2:00 - 3:30pm  Career Development Workshop: 2-426
   Erin Lake, Sc.D
   Director of Student Development
3:30 - 5:00pm  GRE Prep: 2-426
5:00 - 6:30pm  Evening Conversation [dinner provided]: FXB G-12
   Francine Laden, Sc.D.
   Professor of Environmental Epidemiology
   Departments of Environmental Health and Epidemiology

Wednesday, July 10
9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:30 - 2:00pm  Joint Afternoon Seminar with StatStart [lunch provided]: 2-426
   Marcello Pagano, PhD
   Director of Summer Program in Biostatistics & Computational Biology and Professor of Statistical Computing
2:00 - 3:30pm  Research Project
3:30 - 5:00pm  Programming Workshop: 2-426

Thursday, July 11
9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:30 - 1:45pm  Afternoon Seminar: 2-426
   Brent Coull, PhD
   Professor of Biostatistics
   Associate Chair of the Department of Biostatistics
   Departments of Biostatistics & Environmental Health
2:30 - 7:00pm  Public Health in Action with HSPH Summer Students - Boda Borg: 90 Pleasant Street, Malden, MA
Friday, July 12

9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:30 - 2:00pm  Professional Development Workshop Series: FXB-G13
Ra'Shaun Nalls, MPA
Associate Director of Community Engagement, Office of Diversity and Inclusion
2:00 - 4:00pm  Programming Workshop: 2-426
4:00 - 6:00pm  Research Project

WEEK 6

Monday, July 15

9:30 - 11:30am  Introduction to Epidemiology: 2-426
12:30 - 2:00pm  Afternoon Seminar: 2-426
Jukka-Pekka Onnela, PhD
Associate Professor of Biostatistics
Department of Biostatistics
2:00 - 3:00pm  Research Project
3:00 - 4:00pm  GRE Prep: 2-426
4:00 - 5:00 pm  Professional Development Workshop Series: FXB-G12
Betty Johnson, DSL
Assistant Dean for Faculty and Staff Diversity, Development and Leadership
5:30 - 7:00pm  Evening Conversation [dinner provided]: Kresge 502
Albert Hofman, MD, PhD
Stephen B. Kay Family Professor of Public Health and Clinical Epidemiology
Chair of the Department of Epidemiology

Tuesday, July 16

9:30 - 11:30am  Introduction to Epidemiology: 2-426
11:30 - 12:30pm  GRE Prep - Bring Your Questions: 2-426
1:30 - 2:30pm  Biostatistics Professional Development Workshop: Public Speaking, 2-426
Nicole Levesque, Program Coordinator, Biostatistics Department
2:30 - 5:00pm  Afternoon to prepare and practice presentation: 2-426
5:30 - 7:00pm  Evening Conversation [dinner provided]: Kresge 502
Albert Hofman, MD, PhD
Stephen B. Kay Family Professor of Public Health and Clinical Epidemiology
Chair of the Department of Epidemiology
**Wednesday, July 17**

9:30 - 12:00pm  Prepare and Practice presentation: 2-426

12:30 - 2:00pm  Joint Afternoon Seminar with StatStart [lunch provided]: 2-426
Tamarra James-Todd, PhD
Mark and Catherine Winkler Assistant Professor of Environmental Reproductive and Perinatal Epidemiology
Departments of Environmental Health and Epidemiology

2:00 - 5:00pm  Practice Sessions: 2-426
Get feedback on your presentation

**Thursday, July 18**

8:30 - 4:00pm  Pipelines Into Biostatistics Annual Symposium: Kresge G3
Wear your business attire!

**Friday, July 19**

10:00 - 12:00pm  FACETS Summer Program Poster Presentations
Support fellow HSPH Summer Program students and see their presentations

12:00 - 2:00pm  Pipelines Into Biostatistics Certificate Ceremony [lunch provided]: 2-426