

Departments of Biostatistics, Environmental Health, Society, Human Development & Health, and Epidemiology

Harvard School of Public Health

S
U
M
M
E
R

P
R
O
G
R
A
M

2
0
0
6



Summer Program in Quantitative Sciences 2006



Departments of Biostatistics, Society, Human Development & Health and Epidemiology



Summer Program in Quantitative Sciences, June 3-July 2, 2006 Calendar of Events

Last revised on: Friday, June 30, 2006

Unless noted otherwise, AM Morning classes will meet in FXB G-11.
PM: Epi Lectures will be in Kresge 908. SHDH Lectures will meet in Kresge 708,
PM: Biostat Lectures will meet in II-426.
Computer: Intro to Stata and Computer Lab Hours will meet in Kresge LL-19.

FXB G-11 is reserved every day exclusively for the Summer Program from 8:30am to 5:30pm

LL-19 is reserved every day exclusively for the Summer Program from 3:00pm to 5:00pm

WEEK ONE

Saturday, June, 3	2:00 pm – 05:00 pm	Summer Program Participants will arrive throughout the early afternoon and familiarize themselves with the residential hall at Mass College of Pharmacy and Health Sciences (MCPHS). Ms. Isabelle Anguelovski , Assistant Program Director for Diversity, will be on site to greet you and answer questions.
	5:30 pm-6:30 pm MCPH - 3 rd floor lounge 07:30 pm	Residential Hall Orientation: Residence Hall RA, ????? Welcome Dinner: California Pizza Kitchen. Address: Prudential Center (Green Line, T Stop “Hynes Convention Center” or “Copley Square”) Phone: 617-247-0888
Sunday June 4	9:00 am	Meeting at the MCPHS for the Boston Aids Walk
	10:00am- 1pm	Boston Aids Walk http://www.aac.org/site/PageServer?JServSessionIdr011=hop5z1nif4.app8a&pagename=AIDSWALK05_home
Monday June 5	2:00pm:	Lunch at Panifacio in Beacon Hill
	8:30 am	Pictures for IDs taken at HSPH ID Office, FXB Hall
	08:45 am FXB G-11	Breakfast: Program Introduction and Overview/Stipend and Salary Disbursement Dr. Louise Ryan, Dr. Rebecca Betensky, Dr. Andres Houseman, Brian Healy, Alfa Yansane, Isabelle Anguelovski, Rachel Leveque, and Student Mentors: Reginald Tucker-Seeley Shakira Franco David Fardo Lisa Baxter
	10:30 am – 11:30 noon FXB G-11	Dr. Ed De Vos, NEMC Fill out Entrance Questionnaires
	11:45 am – 12:30 pm FXB G-11	Catered Lunch (Lunch will take place every day usually between 12:00 noon – 01:30 pm)
12:30 pm – 1.30 pm Meeting in FXB Lobby	Campus and Neighborhood Tour Mary Jane Curran, Director of Administration Operations (617-432-3521)	
01:30 pm – 2:00 pm	Pictures for IDs taken at Mass College of Pharmacy	

Unless noted otherwise, AM Morning classes will meet in FXB G-11.
 PM: Epi Lectures will be in Kresge 908. SHDH Lectures will meet in Kresge 708,
 PM: Biostat Lectures will meet in II-426.
 Computer: Intro to Stata and Computer Lab Hours will meet in Kresge LL-19.

FXB G-11 is reserved every day exclusively for the Summer Program from 8:30am to 5:30pm
 LL-19 is reserved every day exclusively for the Summer Program from 3:00pm to 5:00pm

WEEK ONE

<p>Thursday June 8</p>	<p>09:00 am – 11:00 am 11:00 am – 11:45 am 11:45 am – 1:30 pm 02:30 pm – 05:00 pm 7:30 pm Meeting at Out of Towns News at the Harvard Square T Stop (Red line)</p>	<p><u>Introduction to Biostatistics</u></p> <p>Lunch</p> <p>EPI Lecture 3: Dr. Sebastian Schneeweiss Pharmacoepidemiology</p> <p>HSPH Graduation Ceremony</p> <p>American Repertory Theater The Island of Slaves by Pierre Marivaux American Repertory Theatre is one of the country's most celebrated resident theaters and winner of numerous awards. Located at the Loeb Drama Center in Harvard Square, Cambridge, this internationally acclaimed company presents a classic mix of drama, music, comedy, beloved masterpieces and important new works.</p> <p>The Play: Four shipwreck survivors - two servants, two masters - arrive on a strange island where the laws require they switch roles to learn a lesson in humanity. Director Robert Woodruff's production sets Marivaux's savagely witty farce in Club Utopia, a once-glamorous cabaret where a team of scandalously lovely performers are about to throw the party of a lifetime for their visitors.</p> <p>http://www.amrep.org</p> <p>Rui Wang, Graduate Student Biostatistics Christina Hemphill, Graduate Student Environmental Health</p>
<p>Friday June 9</p>	<p>09:00 am – 11:00 am 12:00 noon – 01:30 pm Kresge 708 01:30 pm – 03:15 pm Kresge 708 4:00 pm – 5:00 pm Smith Building (Corner of Binney and Jimmy Fund Building, across from the main DFCI Building), Room SM 304 c.r. Evening</p>	<p><u>Introduction to Biostatistics</u></p> <p>Catered Lunch with Epi Students</p> <p>SHDH Lecture 1: Dr. Greg Connolly Prevention and Control of Tobacco and Tobacco Related Disease: Making Smoking History</p> <p>Visit to Dana Farber Cancer Institute Dr. Karen Emmons Faculty in the Center for Community-Based Research (CCBR) and at the department of Society Human Development and Health</p> <p>Suggestion: Coolidge Corner neighborhood and Theater. Green Line Track C, Stop "Cleveland Circle"</p>
<p>Saturday June 10</p>	<p>11:00 am – 02:00 pm Meet Kaplan Instructor in Kresge 201</p>	<p>GRE Practice Exam – Paper and Pencil Test Kaplan Educational Center is one of the nation's premier education companies providing students with a full range of resources to achieve their educational goals. During this time, Kaplan will provide you with an opportunity to prepare for GRE testing. Students will take a practice exam administered under simulated testing conditions and find out their scores on their exam. frank.smith@kaplan.com and 617 661 6965.</p>

WEEK TWO

Monday June 12	08:30 am – 05:30 pm Snyder Auditorium G-1	Diversity Workshop: “ Hazardous Sites in Underprivileged Communities: Challenges of Diagnosis, Clean-up, and Redevelopment ” All summer participants will attend the workshop. Breakfast and Lunch will be provided.
Tuesday June 13	08:30 am-10:00 am FXB G-11	Opportunities for undergraduate and graduate studies: <ul style="list-style-type: none"> - Conferences for Minority Students - Summer Internship - Graduate Schools - Funding Possibilities Dr. Louise Ryan, Dr. Rebecca Betensky, Isabelle Anguelovski
	10:00 am – 12:00 am	<u>Introduction to Biostatistics</u>
	12:00 noon – 01:30 pm Kresge 606	Catered Lunch with SHDH students Reginald Tucker-Seeley, Graduate Student, SHDH. Magdalena Cerda, Graduate Student SHDH.
	1:45 – 3:45pm	Computer Lab: LL19 Office Hours with a STATA/ SAS expert to help with your questions Alfa Yansane , Graduate Student, Biostatistics
	4pm -5:15pm Meeting in FXB Lobby at 3:45pm	Women and Brigham’s Hospital Shelley Stark Director of Women's Health Policy and Advocacy Mary Horrigan Connors Center for Women's Health & Gender Biology 75 Francis Street, BC3 617 525 7516
Wednesday June 14	09:00 am – 10:45 am	<u>Introduction to Biostatistics</u>
	11:00 am – 12:30 FXB G-11	How to Read a Scientific Paper Dr. Jane Burns, D.Sc. in Epidemiology and Environmental Health
	12:30 noon – 01:30 pm	Lunch
	01:30 pm – 03:00 pm Kresge 708	SHDH Lecture 2 : Dr. Elizabeth Molnar Exposure to Child Abuse and Other Types of Violence: Consequences for Adolescents.
	03:15 pm – 04:45 pm LL6	<u>Introduction to STATA</u> Brian Healy , Graduate Student, Biostatistics.
Thursday June 15	09:00 am – 11:00 am	<u>Introduction to Biostatistics</u>
	11:00 am – 12: 00 pm	Individual meetings with HMS advisors Ms. Rosa Da Silva Ms. Sherry Reddick Office of Recruitment and Multicultural Affairs sherry_reddick@hms.harvard.edu and rosa_dasilva@hms.harvard.edu
	12:00 noon – 01:30 pm Biostat II-426	Catered Lunch with SHDH Faculty Dr. Lisa Berkman Dr. Suburmanian Ve
	1:45 pm – 3:15 pm	Computer Lab: LL19 Office Hours with a STATA/ SAS expert to help with your questions Alfa Yansane , Graduate Student, Biostatistics and Brian Healy , Graduate Student.

WEEK TWO

	4:00pm – 6:00 pm	<p>Boston Sailing Center Open House at the Lewis Wharf (Haymarket T stop on Green line) Just put the harbor on your right and follow Atlantic Avenue until you reach Lewis Wharf. The Boston Sailing Center is located on the riverboat at the end of the parking lot.</p> <p>½ hour free sailboat rides to participant along with free refreshments</p>
Friday June 16	09:00 am – 11:00 am	<u>Introduction to Biostatistics</u>
	12:00 noon – 01:30 pm	Catered lunch with Environmental Health faculty and students
	01:30 pm – 03:00 pm Biostat 426	<p>Env. Health Lecture 1 Dr. Jim Shine, Associate Professor of Aquatic Chemistry Water Pollution and Food Choices</p>
	03:30 – 04:30 pm FXB G11	<p>GRE Practice Exam Results and Feedback All students will be given their scores and will receive feedback from one of Kaplan's Instructors on ways for improving GRE</p>
	5:30pm Meeting FXB Building	<p>Dinner with Health Policy Summer Program, Jamaica Plain <u>Tacos El Charro</u> 349 Centre St. (Hyde Sq.) Jamaica Plain, MA 617-522-2578</p>
Saturday June 17	10:00 AM	Day Trip
	Departure from Mass College of Pharmacy	Shakira Franco, Graduate Student, Epidemiology Alfa Yansane, Graduate Student, Biostatistics Patrizia Schifano, Graduate Student Biostatistics
	10:45 AM	De Cordova Museum Tour
	2:00 PM-4:00PM	<p>Volunteering at “Gaining Ground” Founded in 1994 on privately owned land, Gaining Ground moved its main garden in 1999 to the Thoreau Birthplace Property on Virginia Road in Concord - a 17-acre site rich in history and under cultivation for more than 300 years. In addition, Gaining Ground operates the one-half-acre, reproduction kitchen garden at the Old Manse in Concord - modeled on the vegetable garden that Henry David Thoreau planted as a wedding present for Nathaniel & Sophia Hawthorne in 1842. Gaining Ground donates all of its produce - almost 20,000 lb in 2005 - to area food pantries, meal programs, and shelters.</p>
	5:00 PM	<p>Swim in Walden Pond (for those interested)</p> <p>Free evening</p>

<p>Sunday June 18</p>	<p>(Free day except for the dinner)</p> <p>Suggested optional activity</p> <p>Tour of Harvard Campus, Cambridge</p> <p><i>The Mission of Harvard:</i> Harvard adheres to the purposes for which the Charter of 1650 was granted: "The advancement of all good literature, arts, and sciences; the advancement and education of youth in all manner of good literature, arts, and sciences; and all other necessary provisions that may conduce to the education of the ... youth of this country...." In brief: Harvard strives to create knowledge, to open the minds of students to that knowledge, and to enable students to take best advantage of their educational opportunities. To these ends, Harvard encourages students to respect ideas and their free expression, and to rejoice in discovery and in critical thought; to pursue excellence in a spirit of productive cooperation; and to assume responsibility for the consequences of personal actions. Harvard seeks to identify and to remove restraints on students' full participation, so that individuals may explore their capabilities and interests and may develop their full intellectual and human potential. Education at Harvard should liberate students to explore, to create, to challenge, and to lead. The support Harvard provides to students is a foundation upon which self-reliance and habits of lifelong learning are built: Harvard expects that the scholarship and collegiality it fosters in its students will lead them in their later lives to advance knowledge, to promote understanding, and to serve society.</p> <p>Harvard Museums /www.artmuseums.harvard.edu/</p> <p>OR</p> <p>Rollerblading on the Charles</p> <p>Dinner at Penang Restaurant, Harvard Sq. 57 JFK Street, Cambridge, MA 02138 (617) 234-3988 http://www.penangusa.com/location_boston.html</p> <p>Miriam Nuno, Postdoctoral Fellow, Biostatistics.</p> <p>Penang's culinary heritage is similar to Singapore's, mixing Malay and Siamese food influences with those of old overseas communities of semi-assimilated Chinese, Indian Muslims, and Tamils. Unlike most melting pots, this one actually generated exciting hybrid foods — dishes with local spices, Chinese finesse, Indian breads, and brilliant use of hot chili peppers. Penang has largely cut the chili peppers from most dishes, but if you ask for Malaysian hot sauce, you will get a little saucer of fiery balachan: red-chili sauce with a hint of shrimp paste and lime juice.</p>
	<p>6:30 pm</p>

WEEK THREE

<p>Monday June 19</p>	<p>09:00 am – 11:00 am</p> <p>12:00 noon – 01:30 pm Biostat Conference Room</p> <p>01:30 pm – 3:00 pm Biostatistics II-426</p> <p>03:15 pm – 4:45 pm</p>	<p><u>Introduction to Biostatistics</u></p> <p>Catered Lunch with Dr. Joan Reede Dean for Diversity and Community Partnership, Harvard Medical School Director of the Summer Program in Health Policy and Management</p> <p>Env. Health Lecture 2 Dr. Rosalind Wright Environmental Stressors and Asthma</p> <p>Computer Lab: LL19 Office Hours with a STATA/ SAS expert to help with your questions Alfa Yansane, Graduate Student, Biostatistics</p>
<p>Tuesday June 20</p>	<p>09:00 am – 10:45 am</p> <p>11:00 am -12:15 Joslin Diabetes Center Room 710 - on the 7th floor</p> <p>12:30 pm – 01:30 pm Biostatistics II-426</p> <p>01:30 pm – 03:00 pm Biostatistics</p> <p>03:15 pm – 04:45 pm Computer Lab LL-19</p>	<p><u>Introduction to Biostatistics</u></p> <p>Sharon Jackson, Nutrition Research Manager, Joslin Diabetes Center Black Life Style Intervention Study – Nutrition and Obesity Research among Minority Populations</p> <p>Brown Bag lunch with Dr. Claude Bruderlein Population and International Health</p> <p>Env. Health Lecture 3: Dr. Junenette Peters and Dr. Rhona Julien Indoor Allergen Levels in Public Housing and the Efficacy of Intervention Measures</p> <p>Introduction to STATA: Brian Healy Graduate Student, Biostatistics</p>
<p>Wednesday June 21</p>	<p>09:00 am – 11:00 am</p> <p>12:00 – 01:30 pm FXB G-11</p> <p>01:30 pm – 03:00 pm Biostatistics II-426</p> <p>03:15 pm – 4:45 pm</p> <p>6:15 pm (meeting at 5:30 in FXB lobby)</p>	<p><u>Introduction to Biostatistics</u></p> <p>Catered Lunch with Biostatistics Faculty</p> <p>Biostatistics Lecture 1: Dr. Victor De Gruttola Biostatistics and HIV/Aids research.</p> <p>Computer Lab: Bldg LL19 Office Hours with a STATA/ SAS expert to help with your questions. Alfa Yansane, Graduate Student, Biostatistics.</p> <p>Dinner at Orinoco 477 Shawmut Ave., South End / Boston. Tel: 617-369-7075</p> <p>The Boston Globe says about Orinoco: "Two words sum up Orinoco, the newest restaurant to make the South End its home. It glows. From the Victorian-meets-rustic decor that we stood happily basking in while sipping good wine and tropical juices (otherwise known as waiting 40 minutes for a table) to the charming wait staff that later served us nearly flawless foods, everything at this Venezuelan restaurant seemed golden".</p>
<p>Thursday June 22</p>	<p>09:00 am – 11:00 am</p> <p>12:00 – 1:30 pm Biostats II- 426</p>	<p><u>Introduction to Biostatistics</u></p> <p>Catered Lunch with Biostatistics Students</p> <p>David Fardo, Graduate Student, Biostatistics Miriam Nuno, Postdoctoral Fellow, Biostatistics Justin Manjourides, Graduate Student, Biostatistics Loni Philip, Graduate Student, Biostatistics Patrizia Schifano, Graduate Student, Biostatistics Caroline Jeffery, Graduate Student Biostatistics</p>

WEEK THREE

	<p>02:00 pm – 03:30 pm Biostatistics II-426</p> <p>4.30 pm-8 pm</p>	<p>Lecture on Community-Based Research Dr. Deborah Prothrow-Stith Professor of Public Health Practice and Associate Dean for Faculty Development Department of Health Policy and Management</p> <p>Community Servings</p> <p>As Greater Boston's meals program for people ill with AIDS, we deliver free, hot, nutritious meals to men, women, and children infected with or affected by the disease. We nutritionally tailor our meals to meet the complex dietary needs of people ill with AIDS, and each meal contains enough food for lunch, dinner, and a snack.</p> <p>Our clients are men, women and children infected with or affected by AIDS. 95% live at or below the poverty line. They are gay and straight. They are African-American, Haitian, Latino, Asian and Caucasian.</p> <p>Take the 39 Bus to Copley and catch the 10 Bus to Community Servings</p> <p>http://www.servings.org/home.html</p> <p>Jennifer Pockoski: 617 445 7777 (x230)</p>
<p>Friday June 23</p>	<p>09:00 am – 11:00 am</p> <p>11:00 am – 1:30 pm FXB G-11</p> <p>02:00 – 03:30 pm LL 19</p> <p>03:30 pm – 5:00 pm Biostat 426</p> <p>Sunset</p>	<p><u>Introduction to Biostatistics</u></p> <p>Lunch with the Movie “A Civil Action” "A Civil Action" focuses on a liability lawsuit filed by eight Woburn families against Beatrice Foods and W. R. Grace. These corporations were accused of dumping chemicals (especially trichloroethylene, a probable human carcinogen) in ways that allowed the compounds to reach the water in Woburn, MA. In the end, both companies agreed to finance an expensive cleanup plan, Grace pleaded guilty to two felony counts of lying to the Government about what happened, and Beatrice's lawyers were judged to have engaged in misconduct. Harvard biostatisticians Dr. Stephen Lagakos and Dr. Marvin Zelen consulted on this case.</p> <p>ONLINE Human Subjects Training Discussion of Issues of Protection of Research Subjects: Nuremberg Code, Belmont Report. Ms. Sarah Putney</p> <p>Biostatistics Lecture 2 John Quackenbush, Professor of Computational Biology What are Computational Biology and Bioinformatics?</p> <p>Suggestion: WBZ Free Friday Flicks Boston, Hatch Shell at the Redline T stop Charles MGH http://www.mass.gov/dcr/hatch_events.htm</p>
<p>Saturday June 24</p>	<p>Free day</p> <p>2:00 pm (Meet the ranger at the Robert Gould Shaw Monument, at the Corner of Beacon and Park St, across from the State House)</p>	<p>Suggestion: Black Heritage Trail www.nps.gov/boaf, click on "In depth" 617-742-5415 (Lauren)</p> <p>Other suggestion: Boston Museum of Science (with the free passes) opened every day from 9:00am to 5:00pm http://www.mos.org/</p>

Sunday
June 25

11:30 am Brunch
(meeting at 11:00am at
Boylson T Stop (Green
line)

Dim Sum at Chau Chow City
83 Essex St. (bet. Chauncy and Oxford St. Boston MA 02111, Tel: 617-338-8158.

Located in the heart of Chinatown, this acclaimed restaurant has become synonymous with dim sum, offering a breathtaking variety of Chinese delicacies. Harried servers are constantly in motion, pushing rickety carts of dim sum past curious onlookers.

Sonju Harris, Graduate Student, Biostatistics
Ashley Buchaman, Graduate Student, Biostatistics
Jessica Mar, Graduate Student, Biostatistics

Afternoon

Harbor Tour with Mass Bay Lines (probably 1pm)

2.30 pm

New England Aquarium
Central Wharf
Boston
(617) 973-5205
Reservation Number 214 6204

Within its compact exhibit space, the Aquarium shows off everything from a lumbering, 500-pound sea turtle to the ghostly swirl of jellyfish just inside the front entrance. Flap your wings at the African and rockhopper penguins basking in the floodlights, and welcome the little blue penguins recently added to the renovated exhibit. The little blues, the smallest of the world's 17 penguin species, are a noisy little bunch.
<http://www.nea.com>

The visit is followed by a visit of the Faneuil Hall Marketplace.

WEEK FOUR

Monday June 26	09:00 am – 10:30 pm	<u>Introduction to Biostatistics</u>
	11:00 am – 12:15 pm FXB G-11	<u>Applying to HSPH</u> Kerri Noonan , HSPH Admissions Office Dr. Donna Neuberg , Senior Lecturer Department of Biostatistics Jamie Johnson-Riley , Academic Services Coordinator, Department of Epidemiology (to be confirmed) Harvard School of Public Health Michele Brooks , Academic Coordinator, Department of SHDH
	12:00 noon – 01:30 pm	Lunch
	1:30 – 3.00 pm	Biostatistics Lecture 3: Dr. Miriam Nuno Bird Flu Vaccine research from a biostatistical approach.
	03:00 pm – 4:30 pm	Computer Lab: Bldg LL19 Office Hours with a STATA/ SAS expert to help with your questions Alfa Yansane , Graduate Student, Biostatistics.
Tuesday June 27	9:00-10:45 noon	Time to work on presentation
	10:45 – 11:45 noon G-11	Group Meeting with Medical School and Public Health School advisers to give insight about PhD programs in Public Health VS MDs/MPH degrees. Roberta Gianfortoni, Assistant Dean for Professional Education, HSPH One MPH student One PhD student One MD Student
	12:00 noon – 01:30 pm Biostat 426	SHDH Lecture 3 (over catered lunch) Dr. Gary Bennett , Assistant Professor in the Dept. of Society, Human Development and Health. Health Disparities: A Population Health Perspective
	01:30 pm – 02:45 pm FXB G-11	Time to work on Presentations
	03:00 pm – 4:00 pm	Computer Lab: Bldg LL19 Office Hours with a STATA/ SAS expert to help with your questions Alfa Yansane , Graduate Student, Biostatistics.
Wednesday June 28	9:00-11:30 noon	Time to work on presentation Biostatistics Conference Room II-426 available
	11:30 pm – 12:30 pm	Lunch
	12.30 – 1.45 Biostat 426	Biostatistics Lecture 4: Dr. Marvin Zelen “A Civil Action” - A view from the Biostatisticians
	2:00 pm – 4:30 pm FXB G-11	<u>Project Presentation Rehearsal</u> **Required**
Thursday, June 29	09:00 am – 12:00 pm FXB G-11	<u>Summer Program in Biostatistics Project Presentations</u> Each Student will have approximately 20 minutes for presentations and 10 minutes for Questions and Answers. Faculty, mentors, and graduate students are expected to attend the presentations.
	12:15-1:00pm FXB G-11	<u>Feedback session</u> Dr.Louise Ryan Dr. Rebecca Betensky Isabelle Anguelovski

WEEK FOUR

	3:15 – 7:00 pm Meeting at 3:15 in FXB lobby	Charles River Boat Tour (cruise at 4.15pm) Picnic on the Charles River
	9:00 AM FXB G-11	<u>Personal Statements for Graduate School and Mock Interviews</u>
Friday, June 30	10:00 am – 12:00 noon FXB G-11	Certificate Presentation Dr. Stephen Lagakos, Chair of the Biostatistics Department
	12:00-12:30 FXB G-11	Completion of Evaluation Forms
	01:00 pm – 02:00 pm FXB G-11	Dr. Ed de Vos, NEMC Exit Interviews
	5.30pm	Informal Dinner at Johnny D's
Saturday July 1	12pm	Canoe in Concord and Picnic Jessica Mar, Graduate Student, Biostatistics
	6pm	<u>Summer Program Farewell Dinner: Redbones (Redline, T Stop "Davis Square")</u> 55 Chester Street, Somerville, MA 617-628-2200 (Manager to contact : Jeff Brodman) David Fardo, Graduate Student, Biostatistics Shakira Franco, Graduate Student, Epidemiology Caroline Jeffery, Graduate Student Biostatistics Red bones is a well-established, much-loved restaurant in Davis Square, a fun and casual neighborhood in Somerville. Redbones has become a favorite for local folks since many years for its downhome style Southern food and its unique atmosphere.
Sunday July 2		Summer Program participants fly back home