

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

Harvard School of Public Health

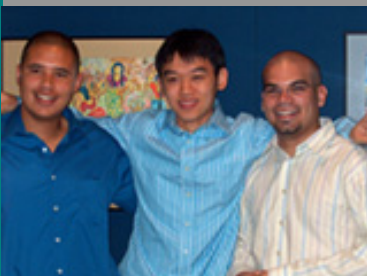
S
U
M
M
E
R

P
R
O
G
R
A
M

2
0
0
7



Summer Program in Quantitative Sciences 2007





Summer Program in Quantitative Sciences, June 2-July 1, 2007 Calendar of Events

Unless noted otherwise, **AM Morning classes and other events will meet in FXB G-11**
Lectures will meet in Biostatistics conference room 2-426
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 2	2:00 – 5:00 pm 6:00 – 6:30 pm MCPH - 3 rd floor lounge 7:00 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). Residential Hall Orientation: (Residence Hall Advisor who is on duty) Welcome Dinner: California Pizza Kitchen Address: Prudential Center (Green “E” Line, T Stop “Prudential”) Phone: 617-247-0888
Sunday, June 3	9:00 am 1:00 or 2:00 pm	Meeting at the MCPHS for the Boston AIDS Walk Boston AIDS Walk Lunch at Figs on Charles Street
Monday, June 4	8:30 am Kresge Security Desk 8:45 am – 10:15 am Biostatistics 2-426 10:30 am – 11:30 noon FXB G-11 11:30 am – 12:30 pm 12:30 – 1.30 pm Meeting in FXB Lobby 1:30 – 2:00 pm 2:00 – 3:00 pm FXB G-11 To read for class tomorrow	Pictures for IDs taken at HSPH ID Office, near Kresge Security Desk Breakfast: Program Introduction and Overview/Stipend and Salary Disbursement Dr. Louise Ryan, Dr. Andres Houseman, Catherine Haskell, Sabrina Toomer, and Student Mentors: Christoph Lange, Faculty mentor Luke Purvis, Graduate Student in Statistics, University of Vermont Danya Fortess, NEMC Fill out Entrance Questionnaires Lunch (Lunch will take place every day usually between 12:00 noon – 1:30 pm) Campus and Neighborhood Tour Mary Jane Curran, Director of Administration Operations (617-432-3521) Pictures for IDs taken at Mass College of Pharmacy Project Option Presentations Student Mentors Introduction Dr. Christoph Lange and Melissa Naylor Dr. Yi Li, Loni Philip, and Luke Purvis Dr. Kimberly Pearson, Dr. Louise Ryan Homework Assignment: Read the article “PC Versus Mac: An Exploration of the Computer Preferences of Harvard Students”. The article will be discussed during the first lecture of the course

	<p>3:30 – 5:00 pm Kresge LL19</p> <p>Evening</p>	<p>Computer Lab: Kresge LL19 Office Hours with a STATA/ SAS expert to help with your questions Kathleen Wirth, Graduate Student, Epidemiology</p> <p>Suggestion: Coolidge Corner neighborhood and Theater. Green Line Track C, Stop “Cleveland Circle”</p>
<p>Saturday June 9</p>	<p>10:00 am Departure from Mass College of Pharmacy</p> <p>10:30 am</p> <p>12:30 pm</p> <p>2:00 -4:00 pm</p>	<p>Day Trip</p> <p>De Cordova Museum, Lincoln, MA http://www.decordova.org</p> <p>Lunch at Helen’s Café, Concord</p> <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>
<p>Sunday June 10</p>	<p>(Free day except for the dinner)</p> <p>6:30 pm</p>	<p>Suggested optional activities:</p> <p>Tour of Harvard Campus, Harvard Square: 10:00,11:15, 2:00, or 3:15 Tours start at 1350 Massachusetts Avenue, Center of Holyoke Center Arcade http://www.harvard.edu/siteguide/faqs/faq18.html</p> <p>Harvard Peabody Museum of Archaeology and Ethnology, Harvard Square, with free passes Open 9:00 am – 5:00 pm daily, 11 Divinity Avenue, near Harvard Square</p> <p>Other Harvard Museums listed at: http://www.harvard.edu/museums/</p> <p>Dinner at Bombay Club, Harvard Square 57 JFK Street, Cambridge, MA 02138 http://www.bombayclub.com/home.html</p>

WEEK TWO

<p>Monday June 11</p>	<p>9:00 – 11:00 am</p> <p>11:00 am – 12:00 pm</p> <p>12:00 – 1:30 pm</p> <p>1:30 – 3:00 pm Biostatistics 2-426</p> <p>3:30 – 5:00 pm Kresge LL19</p>	<p>Introduction to Biostatistics</p> <p>Applying to HSPH</p> <p>Kerri Noonan, HSPH Admissions Office Dr. David Wypij, Professor, Dept. of Biostatistics Jamie Johnson-Riley, Academic Services Coordinator, Dept. of Epidemiology Michele Brooks, Academic Services Coordinator, Dept. of Society, Human Development and Health</p> <p>Lunch</p> <p>Biostatistics Lecture: Dr. Miriam Nuno Several Approaches to Study influenza Dynamics: Epidemics and Pandemic</p> <p>Introduction to STATA Kathleen Wirth, Graduate Student, Epidemiology</p>
<p>Tuesday June 12</p>	<p>9:00 – 11:00 am</p> <p>11:00 am – 1:30 pm FXB G-11</p> <p>1:30 – 3:00 pm Biostatistics 2 - 426</p> <p>3:00 – 4:00 pm Biostats 2 - 426</p>	<p>Introduction to Biostatistics</p> <p>Catered 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. 112 minutes.</p> <p>Biostatistics Lecture: Dr. Chris Paciorek Spatio-temporal statistical models for estimating exposure to air pollution</p> <p>Louise Ryan, comments on movie “A Civil Action”</p>
<p>Wednesday June 13</p>	<p>9:00 – 11:00 am</p> <p>12:00 – 1:30 pm Biostatistics 2-426</p>	<p>Introduction to Biostatistics</p> <p>Catered lunch with Division of Biological Sciences in Public Health undergraduate summer interns</p>
<p>Thursday June 14</p>	<p>9:00 – 11:00 am</p> <p>12:15 – 1:25 pm Longwood Inn, 342 Longwood Ave., “Fenway Room”</p> <p>1:30 pm – 3:00 pm Biostats 2-426</p> <p>3:30 – 5:00 pm Kresge LL19</p> <p>6:00 pm</p>	<p>Introduction to Biostatistics</p> <p>Advisory Board Meeting Catered Lunch at Longwood Inn, 342 Longwood Avenue All summer students are requested to attend our Diversity Comitee Lunch. Held in the “Fenway” conference room at the Longwood Inn. From the main lobby, take a right to the elevators, take one floor up to “G” level.</p> <p>Biostatistics Lecture: Dr. Victor De Gruttola Biostatistics and HIV/AIDS research</p> <p>Computer Lab Office Hours with a STATA/ SAS expert to help with your questions Kathleen Wirth, Graduate Student, Epidemiology</p> <p>Suggestion: The new Institute of Contemporary Art, http://www.icaboston.org/ FREE from 5:00 – 9:00 pm on Thursdays 100 Northern Avenue, Boston’s waterfront</p> <p>Take the Red Line to South Station. At South Station take the Silver Line to the World Trade Center stop. Exit left onto Congress Street. Walk one block to the corner of B Street and turn right, crossing Congress Street. Follow B Street for one block. At the corner of B Street and Seaport Boulevard cross the street and turn left. At the next corner, turn right onto Northern Avenue. The ICA is on the right. You will pass the entrance to Anthony’s Pier 4 and two parking lots before coming to the driveway leading to the ICA entrance.</p>

<p>Friday June 15</p>	<p>9:00 – 11:00 am</p> <p>12:00 – 1:30 pm Biostatistics 2-426</p> <p>1:30 – 3:00 pm Biostatistics 2-426</p> <p>3:30 – 4:30 pm Meet in FXB Lobby at 3:15 pm</p>	<p>Introduction to Biostatistics</p> <p>Catered lunch with Biostatistics Faculty</p> <p>Environmental Health Lecture : Dr. Jonathan Levy Air Pollution Exposure Assessment & Monitoring equipment demonstration at HSPH</p> <p>Visit to Brigham and Women'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</p> <p>* There will also be an epidemiologist and an internist who will speak about who they are, how they arrived in their current positions, what they do, and how they use quantitative data in their work (Dr. Janet Rich-Edwards and Dr. Sarah Kent).</p>
<p>Saturday June 16</p>	<p>11:00 am – 2:00 pm Meet Kaplan Instructor in Kresge 201</p> <p>6:00 pm</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. caitlin.oconnor@kaplan.com and 617-661-6965.</p> <p>Dinner at Bob the Chef's, 604 Columbus Avenue, Boston. Tel (617) 536-6204. Orange Line T Stop "Massachusetts Avenue"</p> <p>Bob the Chef provides New Englanders with a switched from lard and bacon fat to canola oil, and from bacon to smoked turkey as a seasoning. With the addition of some Louisiana-style dishes (a meaty Cajun crab cake, a sweet-style shrimp étouffée and a generous jambalaya), the soul food emphasis has become a little more pan-Southern. The restaurant has an ongoing venue of live jazz artists.</p>
<p>Sunday June 17</p>		<p>FREE DAY</p> <p>Suggestion: Go to Charles River Canoe and Kayak for a day on the Charles River with free passes http://www.paddleboston.com</p> <p>Boston location--on foot from Harvard Square (MBTA Red Line): Follow JFK Street toward the river (pass Citizens Bank and Finagle-A-Bagel on your left), then cross the river and immediately follow the bike path to the right. Remain on the bike path for one mile, passing through the tunnel under the Eliot Bridge (do not cross the bridge). Our green-roofed kiosk is 200 yards past the bridge on the right.</p>

<p>Friday June 22</p>	<p>9:00 – 11:00 am</p> <p>12:00 – 1:30 pm Biostatistics 2-426</p> <p>2:00 – 3:30 pm</p> <p>3:30 – 4:30 pm FXB G-11</p> <p>4:30 - 6:00 pm Biostatistics 2-426</p> <p>At SUNSET (around 8:30pm)</p>	<p>Introduction to Biostatistics</p> <p>Catered Lunch with undergraduates from Health Policy Program, Harvard Medical School</p> <p>ONLINE Human Subjects Training</p> <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 the GRE</p> <p>Dept. of Biostatistics Pizza party</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 23</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>FREE DAY</p> <p>Suggestion 1: Black Heritage Trail http://www.nps.gov/boaf, click on "In depth" 617-742-5415</p> <p>Suggestion 2: Boston Museum of Science (with the free passes) opened every day from 9:00am to 5:00pm http://www.mos.org/</p>
<p>Sunday June 24</p>	<p>11:30 am Brunch (meeting at 11:00am at Boylson T Stop (Green line)</p> <p>around 1:30 pm</p>	<p>Dim Sum at Chau Chow City 83 Essex St. (between 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.</p> <p>New England Aquarium Central Wharf Boston (617) 973-5205 Reservation Number 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</p> <p>The visit is usually followed by a visit of the Faneuil Hall Marketplace</p>

WEEK FOUR

<p>Monday June 25</p>	<p>9:00 – 11:00 am</p> <p>11:15 am – 12:15 pm</p> <p>12:15 – 1:00 pm</p> <p>1:00 – 1:30 pm Meet in Kresge cafeteria</p> <p>1:30 – 3:00 pm Biostatistics 2-426</p> <p>3:00 pm – 4:30 pm</p>	<p>Introduction to Biostatistics</p> <p>Individual meetings with HMS advisors Ms. Rosa Da Silva Ms. Sherry Reddick Office of Recruitment and Multicultural Affairs Location: 260 Longwood Avenue-- TMEC-244 Contact: sherry_reddick@hms.harvard.edu and rosa_dasilva@hms.harvard.edu (617) 432-2159 For those interested in medical school, this is a great opportunity. Bring your resumes!</p> <p>Lunch</p> <p>Group photo for Harvard School of Public Health NOW newspaper story (Story link: http://www.hsph.harvard.edu/now/20070706/quant.html)</p> <p>Environmental Health Lecture: Dr. Shakira Franco Environmental Stressors and Asthma</p> <p>Computer Lab Office Hours with a STATA/ SAS expert to help with your questions Kathleen Wirth, Graduate Student, Epidemiology</p>
<p>Tuesday June 26</p>	<p>9:00 –12:00 pm</p> <p>12:00 – 1:30 pm Biostatistics 2-426</p> <p>1:30 – 3:00 pm Biostatistics 2-426</p> <p>3:00 – 4:00 pm</p>	<p>Time to work on presentations</p> <p>Catered Lunch with Epidemiology students</p> <p>Society, Human Development, and Health Lecture: Binta Beard Society, Human Development, & Health</p> <p>Computer Lab Office Hours with a STATA/ SAS expert to help with your questions Kathleen Wirth, Graduate Student, Epidemiology</p>
<p>Wednesday June 27</p>	<p>9:30 am –10:30 am FXB G-11</p> <p>10:30 am</p> <p>11:00 – 12:30 pm Biostatistics 2-426</p> <p>1:30 – 3:00 pm Biostatistics 2 - 426</p>	<p>Dr. Jane Burns, Dept. of Epidemiology: How to read a scientific paper</p> <p>Time to work on presentations</p> <p>Catered lunch with SHDH students</p> <p>Environmental Health Lecture: Dr. Russ Hauser Chemicals used in everyday products: potential health risks</p>
<p>Thursday, June 28</p>	<p>9:00 – 12:00 pm</p> <p>12:00 – 1:30 pm Biostatistics 2-426</p> <p>2:00 – 4:30 pm</p>	<p>Time to work on presentations</p> <p>Catered lunch with Environmental Health Students</p> <p>Project Presentation Rehearsal **Required**</p>
<p>Friday, June 29</p>	<p>9:00 am – 11:00 am Biostatistics 2-426</p> <p>11:00 am – 12:00 noon Biostatistics 2-426</p> <p>12:00 - 2:00 pm FXB G-11</p> <p>3:15 – 7:00 pm Meet at 3:15 in FXB lobby</p>	<p>Summer Program in Biostatistics Project Presentations 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.</p> <p>Certificate Presentation Stan Hudson, Associate Dean for Student Services Harvard School of Public Health</p> <p>Catered lunch with Dr. Ed de Vos and Danya Fortess, NEMC Exit Interviews</p> <p>Charles River Boat Tour (cruise at 4:15pm)</p>
<p>Saturday, June 30</p>	<p>5:00pm</p>	<p>Farewell Dinner: Redbones (Redline, T Stop “Davis Square”) 55 Chester Street, Somerville, MA 617-628-2200 http://www.redbones.com</p>
<p>Sunday, July 1</p>		<p>STUDENTS TRAVEL HOME</p>

