BCASA NEWSLETTER

Boston Chapter of the American Statistical Association

Serving

Maine, Massachusetts, New Hampshire, Rhode Island, and Vermont

Volume 34, No. 3, February 2016

Homepage: http://www.amstat.org/chapters/boston

E-Mail: BostonChapterASA@gmail.com

SCHEDULED EVENTS & MEETINGS		
February 24, 2016	**Annual Mosteller Statistician of the Year Award Banquet**	**Boston, MA**
March 23 2016	**Panel Discussion on the Future of Clinical Trials**	**Cambridge MA**
April 1, 2016	Business oriented event/talk at Bentley University	Waltham, MA
April 1-3, 2016	**BOW DataFest**	**Needham, MA**
April 1-3, 2016	**Five-College DataFest**	**Amherst, MA**
April 7, 2016	Boston University Department of Biostatistics Annual Award Day	Boston, MA
April 11-12, 2016	Five-College Statistics Presentations by Rob Kass	Amherst and Northampton, MA
April 26, 2016	New England Statistics Symposium (at Yale University)	New Haven, CT
May 16-20, 2016	eCOTS 2016	Boston, MA
May 24 2016	**Boston Evening Lecture by Geoff Cummings**	Boston, MA

Event schedule at the chapter website: http://www.amstat.org/chapters/boston

Detailed announcements appear later in this newsletter. All events are announced in advance to members on our email list. We are currently planning events for the coming year. If you have suggestions please contact Program Chair John McKenzie, mckenzie@babson.edu.

President's Report

It is my pleasure to wish you a wonderful 2016. The Boston Chapter had an active 2015 including multiple evening lectures, a short course on Statistical Methods in Patient Reported Outcomes, and a presentation by the ASA President, David Morganstein. We also recently had another successful BCASA Winter party, hosted by our friends at Prometrika. Thanks to everyone who attended, it was a great to see you! 2016 is going to be another year with many interesting chapter events including the Mosteller Statistician of the Year Banquet, a panel discussion on the future of clinical trials, and an ASA traveling short course on Spatio-Temporal Data.

A special thank you to all the BCASA Officers and Planning Committee members, I greatly appreciate your time and effort that make these events possible. If you are interested in becoming more involved with the Boston Chapter, please contact me at jamesmacdougall@comcast.net.

-- Jim MacDougall

EVENTS & MEETINGS

Mosteller Statistician of the Year Banquet

Why Do We Statisticians Always Manage to Find a Cusp to Sit Upon?
George W. Cobb
Professor Emeritus of Mathematics and Statistics
Mount Holyoke College

Date: Wednesday, February 24, 2016
Time: Social 6:00 pm, Dinner 6:30 pm, Presentation 7:00 pm
Location: Kotzen Room, Beatley Library and Lefavour Hall, Simmons College, 300 The Fenway, Boston, MA
Directions: http://www.simmons.edu/about-simmons/contact-us (includes map and directions)
Parking: Free with tickets distributed at the event
Registration: http://bcasa2016feb.eventbrite.com by February 22
Cost: Dinner: $20 for chapter members; $25 for non-members; students free. Presentation: free.

Abstract:
My talk will begin with some memories of Frederick Mosteller, or Fred, as we who were privileged to know Mosteller remember him, with great fondness. (I first met Fred, virtually, via TV and Continental Classroom, at 6:30 am every morning, more than a half century ago when I was 12.) Then I will review some cusps of Statistics Past, and indulge in some speculation about our history of managing to assume such sharply uncomfortable perches for our fundamentals. In conclusion I will address my sense of some cusps of Statistics Present: challenges for academia and challenges for employers.

Speaker Biography:
Professor Cobb taught from 1974 to 2009 at Mount Holyoke after earning his PhD in statistics from Harvard University. He is a Fellow of the American Statistical Association, served a term as an ASA vice-president, and received the ASA Founders Award. In 2005 he received the Lifetime Achievement Award from the United States Conference on Teaching Statistics (USCOTS). He served on the committee that founded the *Journal of Statistical Education* in 1993 and then was an associate editor for five years. In 1998 he chaired the ASA/MAA Joint Committee on Undergraduate Statistics. Professor Cobb has also served on the Committee on Applied and Theoretical Statistics of the National Academy of Sciences, thereby becoming the first statistician from a liberal arts college to be part of that committee. He is author or co-author of several books, including Introduction to Design and Analysis of Experiments and Statistics in Action: Practical Principles for a World of Uncertainty. In addition to statistical education his interests include Markov Chain Monte Carlo, applications of statistics to the law, and bluegrass banjo.

Award history:
Every year the Boston Chapter presents the Statistician of the Year award to a distinguished statistician who has made exceptional contributions to the field of statistics and has shown outstanding service to the statistical community. In 1997, this award was renamed the Mosteller Statistician of the Year award in honor of the 80th birthday of its first recipient, Fred Mosteller. Individuals from academia, industry, and government who have contributed to the Boston Chapter are considered for the award. For a list of past award winners, see http://amstat.org/chapters/boston/awards.html.

EVENING LECTURE SERIES

The Future of Clinical Trials: A Panel Discussion

Clinical Trials are the gold standard study design for evaluating the benefits and risks associated with medical interventions. A group of distinguished panelists will discuss the future of clinical trials and how they will be impacted by increased knowledge of biomarkers resulting in personalized medicine, calls for greater pragmatism and systematic benefit:risk assessment, greater availability of supplementary data, and increasing costs.

Moderator
- Scott Evans, Harvard University

Panelists:
- Ralph D'Agostino, Boston University
- Cyrus Mehta, Cytel Inc.
- Bob O'Neill, FDA
- Marc Pfeffer, Brigham and Women's Hospital
- David Schoenfeld, Massachusetts General Hospital

Date: Wednesday, March 23, 2016

Time: Light Dinner: 6:00 pm; Presentation: 7:00 pm

Location: Kendall Square Marriott, Two Cambridge Center, 50 Broadway, Cambridge, MA 02142
(Boston Marriott Cambridge)

Directions, Transportation, Parking, and Site Map:
http://www.marriott.com/hotels/maps/travel/boscb-boston-marriott-cambridge/

Public Transportation: MBTA Red Line Kendall Square/ MIT Station

Registration:
Online registration information to be announced through BCASA email list.

Boston Evening Lecture by Geoff Cumming

Date: Tuesday, May 24, 2016
Time: 6:30pm
Location: TBA

Geoff Cumming,
Emeritus Professor, School of Psychology and Public Health, La Trobe University, Melbourne, Australia 3086   g.cumming@latrobe.edu.au

Title of talk
Significance roulette, the sampling distribution of the p value, and strategies for tackling the replication crisis

Abstract
Significance roulette makes vivid the extreme amount of sampling variability in the p value. I will discuss the sampling distribution of the p value, first assuming the population parameter is known, and then for a replication experiment without making that assumption. We can of course translate between a p value and a confidence interval, given just a little extra information. However, confidence intervals make estimation uncertainty salient whereas p is a single value that hides its large sampling variability. Ioannidis (tiny.cc/mostfalse) argued that customary use of the .05 criterion for significance is an important cause of the replication crisis that has arisen in a range of disciplines. Open Science (cos.io) is an evolving set of techniques to counter that crisis, by encouraging the openness, integrity, and reproducibility of scientific research. I will argue that switching from significance testing to estimation and meta-analysis should be a central strategy in Open Science and that the teaching of applied statistics, in any discipline, should focus on these ideas from the very start.
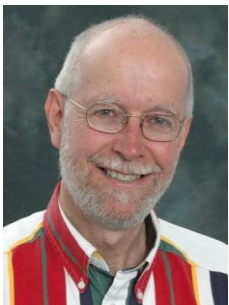
For more information: www.thenewstatistics.com
Dance of the p values: tiny.cc/dancepvals
Background articles: tiny.cc/pintervals and tiny.cc/tnswhyhow
Forthcoming book, expected mid-2016:
Cumming, G., & Calin-Jageman, R. (2016). *Introduction to The New Statistics & Open Science: Estimation for Better Understanding.* New York: Routledge.

Author bio
After a first degree at Monash University, Melbourne, in statistics, Geoff Cumming completed his DPhil in experimental psychology at Oxford on a Rhodes Scholarship. He worked at La Trobe University until retirement in 2008, as emeritus professor. His research ranged from beginning reading to bushfire decision making, and intelligent tutoring to statistics education. He served on the Statistics Working Party that developed revised statistical guidelines in the *Publication Manual* of the American Psychological Association. His book *Understanding The New Statistics: Effect Sizes, Confidence Intervals, and Meta-Analysis* was published by Routledge in 2012. *Psychological Science*, the top empirical journal in psychology, featured his work as part of their revised submission guidelines from January 2014. He enjoys cycling, word games, house renovation, and spending time with his six grandchildren.

1st Analytics without Borders Conference

Organized by Bentley University and Bryant University
Date: April 1st, 2016
Location: Bentley University (175 Forest Street, Waltham, MA)

This conference is a forum for presentations and discussions of analytics work in different fields. We welcome participants from all types of organizations including corporations, academic institutions and government sectors.

All groups will be able to interact with each other and thus build bridges between the different analytics constituencies. Anyone who does anything with data is warmly invited to present their work. Sessions will include a blend of corporate, academic and government researchers and practitioners.

ASA Five College DataFest

The Five College ASA DataFest 2016 will be held April $1 - 3$ 2016 on the UMass-Amherst Campus. Details can be found at their website: http://www.science.smith.edu/datafest/about/

ASA BOW DataFest

The Babson-Olin-Wellesley (BOW) DataFest is a 2.5 day data analysis competition to be hosted by Olin College. The event will begin on the evening of Friday, April 1, continue throughout the day and evening on Saturday, April 2, and conclude on Sunday, April 3, with prizes awarded in the mid-afternoon.
Details can be found at their website: http://www.wellesley.edu/qai/bowdatafest

Boston University Department of Biostatistics Annual Award Day

This annual award recognizes a biostatistician whose academic achievements reflect the contributions to teaching, research, and service exemplified by Professor L. Adrienne Cupples. This year's event will be on April 7. The awardee will deliver a lecture at the award ceremony held in the Department of Biostatistics at Boston University. The event details will be announced on the department website: http://www.bu.edu/sph/academics/departments/biostatistics/l-adrienne-cupples-award/

New England Statistical Symposium

This year the New England Statistical Symposium will be hosted by the Department of Biostatistics at Yale University on Saturday, April 23. There are three Short Courses planned for the afternoon before the conference. Highlights of the conference will include two invited plenary talks, contributed paper sessions, and a poster session. We are planning awards for the best posters and best presentations. There will also be a pizza party afterwards to show off New Haven's best.

Here is the web address for details, registration, hotels, and directions:

http://www.cvent.com/d/dfqlwh

eCOTS 2016 Regional Face-to-Face Mini-Conferences

The 2016 Electronic Conference on Teaching Statistics (eCOTS) will take place May 16-20, 2016. eCOTS, held online during May of even years, is hosted by the Consortium for the Advancement of Undergraduate Statistics Education (CAUSE). Like USCOTS, this conference focuses on undergraduate statistics education. In addition to virtual panel discussions, breakout sessions, workshops, posters, and birds-of-a-feather discussions, there will some regional face-to-face mini-conferences. Two of these will be held at Simmons College and Smith College.

More information could be found on the eCOTS website: https://www.causeweb.org/ecots/ecots16

Three Five-College Talks on Statistics and Neuroscience by Rob Kass

The specific locations will be announced at the website of Five-College Statistics Program:
https://www.fivecolleges.edu/statistics/events

Robert E. Kass
Professor, Department of Statistics and Machine Learning Department
Interim Co-Director, Center for the Neural Basis of Cognition
Carnegie Mellon University

Monday, April 11, 4:00 p.m., UMass
Title: Statistics and Bayesian Inference in Neuroscience
Abstract: Experimenters are typically adept at applying standard statistical techniques, while computational neuroscientists are capable of formulating mathematically sophisticated data analytic methods to attack novel problems in data analysis. Yet, in many situations, statisticians proceed differently than those without formal training in statistics. What is different about the way statisticians approach problems? I will give you my thoughts on this subject, and will illustrate with examples, including a new extension of Bayesian control of false discoveries, applied to neural synchrony detection across a network of interacting spiking neurons. I will conclude with some related comments on scientific reproducibility, illustrating them with an experiment in which brain signals were used to run a robotic device.

Tuesday, April 12, 12:00 p.m., Smith College
Title: Statistical Ideas in Neuroscience
Abstract: The brain sciences seek to discover mechanisms by which neural activity is generated, thoughts are created, and behavior is produced. Major advances have been based on careful consideration of data, which often involves statistics, especially when the phenomenon involves subtle variations in the signal, relative to noise. In addition, since the beginnings of neuroscience, it has proven useful to describe many aspects of brain activity by incorporating ideas from statistics. I will review these points in the context of visual perception, and will include a popular theory of what might be going on in the brain when we "pay attention to" a visual stimulus. I will also make some comments on scientific reproducibility, illustrating them with an experiment in which brain signals were used to run a robotic device.

Tuesday, April 12, 4:00 p.m., Hampshire College
Title: Neuroscience in the Age of Big Data
Abstract: New technologies are creating exciting opportunities in neuroscience, but they are also posing new Big Data analytic challenges. Successful solutions will combine high-powered computational algorithms together with fundamental statistical principles for taming the inherently variability in brain-based data. One of the major approaches to Big Data, the Bayesian approach, is also relevant to neuroscience from a theoretical perspective because it helps capture the idea that evolution has driven the brain to perform optimally. I will review these points, focusing especially on visual perception, and will include a popular notion of what might be going on in the brain when we "pay attention," as in paying attention to a visual stimulus. I will also make some comments on scientific reproducibility, illustrating them with an experiment in which brain signals were used to run a robotic device.

NEWS & ANNOUNCEMENTS

Boston Chapter American Statistical Association
Announcing a New Award for Outstanding Undergraduate Teaching

The Planning Committee of the ASA Boston Chapter is pleased to announce the creation of a new award to recognize outstanding contributions to the teaching of undergraduate statistics.

The criteria for the award are intentionally few and non-specific. The aim is to ultimately acknowledge as wide a variety of statistics education accomplishments as possible. For instance, the winner may have published widely on statistical pedagogy; may have created an exemplary undergraduate program in statistics; may have inspired several generations of undergraduates to pursue careers in statistics, and so on.

The awardee will:
- Be a faculty member at a two-or-four-year college or university in MA, RI, NH, VT, or ME whose primary responsibility is teaching statistics to undergraduates. Those on approved leave during the academic year in which they are nominated qualify if they fulfilled the requirement the previous year
- Hold membership in the ASA and the BCASA
- Have more than three-years of experience in teaching statistics

Further:
- Winners of the BCASA's Mosteller Award will not be eligible for this teaching award.
- Nominees unsuccessful in one year will be automatically reconsidered in the three succeeding years.

For more information about the award contact Robert Goldman at robert.goldman@simmons.edu.

Nominations forms may be found on the BCASA website at http://www.amstat.org/chapters/boston/Forms/Teaching_Nomination_form.docx .

The deadline for nominations for the inaugural 2015-16 award is February 15, 2016.

Boston Chapter American Statistical Association and Mu Sigma Rho
Announcing a New Award for Outstanding Undergraduate Students

The Boston Chapter of the ASA and Mu Sigma Rho (the national honor society for statistics) are pleased to announce the creation of a new award to recognize outstanding undergraduates in statistics. The faculty member who submits his or her college's Mu Sigma Rho applications will be given the option of recommending one student for the award. The student may already be a member of Mu Sigma Rho, or a current nominee in the BCASA region (i.e., Massachusetts, Rhode Island, New Hampshire, Maine, and Vermont). Up to two faculty members at the student's home institution will be asked to write a letter of recommendation supporting the student's nomination.

For more information about the award contact Liam O'Brien at lobrien@colby.edu
The deadline for nominations for the inaugural 2015-16 award is April 1st, 2016.

ASA Mentoring Award

The ASA Mentoring Award is given each year to a member who has demonstrated extraordinary leadership in developing the careers of statistics students, statisticians, or statistical researchers early in their careers. The award honors those people recognized by their colleagues for their sustained efforts over a long period supporting the work and developing the careers of statisticians. Nominations are due March 1.

For more information, visit the ASA website here: http://www.amstat.org/awards/mentoringaward.cfm

James M. Robins, 2015 AAAS Fellow

On November 27, 2015, the American Association for the Advancement of Science (AAAS) announced its 2015 fellows. Among them was James M. Robins, Mitchell L. and Robin LaFoley Dong Professor of Epidemiology in the Departments of Epidemiology and Biostatistics at the Harvard T.H. Chan Harvard School of Public Health. He is best known for advancing methods for drawing causal inferences from complex observational studies and randomized trials, particularly those in which the treatment varies with time.

COPSS Honors Francesca Dominici

Members of the Committee of Presidents of Statistical Societies (COPSS) presented the 2015 F. N. David Award to Francesca Dominici at the 2015 Join Statistical Meetings. She received the award for her premier research in biostatistics and public health, including development of statistical methods for the analysis of large observational data with the ultimate goal of addressing important questions in environmental health science, health-related impacts of climate change, and public health; outstanding contribution to research on outdoor air pollution and health, which has formed the critical basis for policies on air quality; leadership in multidisciplinary collaborations for policy-relevant research; commitment to scientific research at the highest level, with studies designed to improve public health; and being an insightful mentor and exemplary role model for future generations of statisticians, especially young women. Francesca is a Professor of Biostatistics and Senior Associate Dean for Research at the Harvard T.H. Chan Harvard School of Public Health.

Xihong Lin Receives Outstanding Investigator Award from the National Cancer Institute

Last October it was announced Boston Chapter member Xihong Lin Professor of Henry Pickering Walcott Professor of Biostatistics had received a prestigious National Cancer Institute Outstanding Investigator Awards (OIA). These multimillion-dollar seven-year awards, providing extended funding stability, are aimed at giving promising and productive investigators enough time and money to continue or embark on projects of unusual potential in cancer research—and to take greater risks in their work. Xihong Lin is the Chair of the Department of Biostatistics.

Announcement of «Reliability: Theory & Applications»

Dear Friends in Statistics,

In 2005 an informal group of reliability experts joined to create the Gnedenko Forum, named in honor of the world-renowned mathematician Boris V. Gnedenko. Kolmogorov's and Khinchin's Ph.D. student, Gnedenko has contributed to the study of probability theory (he established necessary and sufficient convergence conditions in various limit theorems for sums and maxima of independent random variables), mathematical statistics (he obtained the explicit results for the distributions of the maximum difference between real and empirical distributions, of which the limiting distribution had been derived by Kolmogorov and Smirnov), and greatly influenced the development of the reliability theory and its applications in quality control[1].

Today the Gnedenko Forum consists of over 400 participants from 47 countries, who are the experts in statistics, reliability, operations research, risk analysis, and other related fields. Gnedenko Forum has its own publication, a quarterly electronic journal «Reliability: Theory & Applications» (ISSN 1932-2321) which focuses on issues in applied and theoretical reliability, risk analysis, quality control, operations research and management. The Forum's main goal is to enhance information exchange between the specialists in the field of reliability and related statistical applications via further development of the virtual professional network in the field, as well as to provide an additional outlet for reliability research. We are looking to grow participation in the Forum and its journal. If you are interested in submitting a paper for publication, please visit the journal website http://www.gnedenkoforum.org/Journal/index.htm or http://gnedenko-forum.org/Journal/editorial.htm. If you are interested in becoming a member of the Gnedenko Forum, please email to Ekaterina.Gnedenko@tufts.edu or a.bochkov@gmail.com.

Katya Gnedenko, PhD
(Granddaughter of Boris V. Gnedenko)

Footnotes:
[1] Based on Kalashnikov, V. (1996) "Boris Vladimirovich Gnedenko: 1912 – 1995," Queueing Systems, 22, 199-202, and Kalashnikov, V. (1996) "Obituary: Boris Vladimirovich Gnedenko", Journal Of Applied Probability, 33(2), 592-599.

Short Course on Computation and Statistics for Targeted Proteomics

A short course on computation and statistics for targeted proteomics will take place on the campus of Northeastern University in Boston, MA on May 2-6, 2016.

The course focuses on computational and statistical aspects of quantitative mass spectrometry-based proteomics, with particular focus on targeted and data-independent workflows. The course combines keynote presentations, theoretical introductory lectures, practical training, and informal personal discussions.

Instructors of the course are leading experts in this field, who contributed numerous experimental and computational methods and software. The target audiences are both beginners and experienced scientists, who would like to strengthen their computational and statistical expertise. We also welcome computational scientists and statisticians interested in quantitative proteomics. The participants will have many opportunities to ask questions, and will be able to present their research.

Further information can be found at www.olga-vitek-lab.org/neu-short-course or by contacting co-organizer Olga Vitek at www.olga-vitek-lab.org.

Mu Sigma Rho

It's not too early to start thinking about your outstanding statistics students and considering nominating them for membership in Mu Sigma Rho. Both undergraduate and graduate students can be nominated. Information can be found at http://math.smith.edu/~nhorton/msr.html or by contacting Liam O'Brien at lobrien@colby.edu.

Nominations for Chapter Officers

Nominations for Chapter Officers Several BCASA officer terms are up for election this year for terms starting on January 1, 2017. These are President, Program Chair, Webmaster, and Newsletter Editor (two-year terms). We typically hold elections at the final event of the academic year. If you are interested in nominating yourself or anyone else for these positions, please contact current President James MacDougall (jamesmacdougall@comcast.net) or Past President Tom Lane (tlane@alum.mit.edu). New volunteers are always welcome and greatly needed.

Planning Committee

Chapter activities are run by a core group known as the Planning Committee. Please consider joining us. The committee is open to all interested chapter members, regardless of whether they are also members of the ASA. We meet approximately every six weeks to plan upcoming events of the chapter. Dinner is provided. For more information contact Chapter President James MacDougall, jamesmacdougall@comcast.net.

Event Funding: Request For Proposals (RFPS)

The Boston Chapter of ASA is accepting proposals for supplementary support funding to plan and conduct events with a statistical theme. Qualified events include short courses and other educational events but are not limited to these. The RFP is open until further notice.

Proposal requirements and additional information:

- Proposals should be no more than 3 pages in length with 2 pages being a description of the program, date and time, program sponsors, location and information on parking or public transportation, targeted audience/expected attendees, rationale for why the program is important and will be attractive to potential attendees, and people responsible for program planning and conduct. The last page is a budget plan.
- Funding for up to $750 can be requested.
- The event must be open to all chapter members.
- The event must be advertised in the chapter newsletter.
- It is expected that the BCASA is not the only resource supporting the event (e.g., a department or other sponsor should be involved in organization or nominal fees to attendees should be charged).
- Any fees charged to attendees should be reasonable, with special discounts for students. The expectation is that the event will be affordable to statisticians.
- A report of the event must be submitted to BCASA upon completion of the event with possible publication of the event in the BCASA newsletter. The report should include an estimate on the number of attendees, attendee comments, an evaluation of the program, and a financial summary.
- Unused funds should be returned to the BCASA.
- Proposals will be reviewed by members of the Planning Committee of the BCASA. Applicants will be contacted shortly after the Planning Committee meeting that follows application submission.
- Questions should be directed to Scott Evans, Ph.D. (evans@sdac.harvard.edu).
- Proposals should be electronically submitted at least 6 weeks prior to the program to Scott Evans, Ph.D. (evans@sdac.harvard.edu).

JOB OPPORTUNITIES

Assistant Teaching Professor
Worcester Polytechnic Institute

Company Information: Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 National Universities by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe. Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The UMass Medical Center, a large number of technology companies and many colleges and universities are located in the immediate area making it ideal for two career families.

Position Title: Assistant Teaching Professor

Duties and Responsibilities: The department of Mathematical Sciences at Worcester Polytechnic Institute invites applications for a full time, non-tenure track position in the broad field of Statistics. The new hire will be working with the statistics group to manage the growing MS program in applied statistics, work with students on research projects, serve as academic advisor for students in the program, and be responsible for teaching the equivalent of six, 7-week undergraduate statistics courses. The new hire will also be able to interact with the WPI interdepartmental programs in Bio-Informatics and in Data Science.

Position Qualifications: The successful candidate will have a PhD in Statistics or related fields, extensive teaching experience in statistics courses and proven track record for working on research projects with students. Research experience in Statistics would be a plus. Appointments will begin starting in summer of 2016 and are renewable at the end of each year subject to satisfactory performance. Applications should be submitted online through MathJobs.org and include: Cover letter; Curriculum Vitae; Teaching Statement; Research Statement; 3 reference letters addressing teaching and project mentoring. Review of applications will begin January 4, 2016 and continue until the position is filled. The Mathematical Sciences Department currently has 28 tenured/tenure-track faculty members, 9 postdoctoral scholars, 5 teaching professors and features a vibrant Ph.D. program in Mathematical Sciences, including Statistics. The department offers bachelor's degrees in Mathematical Sciences and in Actuarial Mathematics, and master's degrees in Applied Statistics, Applied Mathematics, Financial Mathematics, and Industrial Mathematics (see http://www.wpi.edu/+math). The department has a strong reputation for its cutting-edge interdisciplinary research and for its successful programs addressing mathematical and statistical problems in industry (http://www.wpi.edu/+CIMS).

We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status or disability. We are looking for individuals who value creativity, diversity, inclusion, and collaboration. Employment of the successful candidate will be contingent upon the successful completion of a pre-employment criminal background check.

Website: http://www.mathjobs.org/jobs/jobs/8130

Application Information: Submit the following items online at this website: http://www.mathjobs.org/jobs/jobs/8130

1. Cover Letter
2. Curriculum Vitae
3. Research Statement
4. Teaching Statement
5. Three Reference Letters (to be submitted by the reference writers at this site)

Contact Email: ma-chair@wpi.edu

Postdoctoral Scholar
Worcester Polytechnic Institute

Company Information: Founded in 1865, WPI is one of the nation's first technological universities. A highly selective private university located within an hour of Boston, WPI is consistently ranked among the top 70 research institutions by US News & World Report. The university is home to an innovative and intensive project-based curriculum that empowers students with the knowledge and skills to address real world problems around the globe. Located in the heart of New England, WPI is surrounded by cultural and recreational opportunities. The UMass Medical Center, a large number of technology companies and many colleges and universities are located in the immediate area making it ideal for two career families.

Position Title: Postdoctoral Scholar

Duties and Responsibilities: The Department of Mathematical Sciences at Worcester Polytechnic Institute (WPI) invites applications for postdoctoral scholar positions in Mathematics and Statistics to begin with the academic year 2016-2017. A strong commitment to research and teaching is essential. The appointment is renewable year by year for up to three years. Applicants whose research is in areas that are aligned to the research interests of the faculty are especially encouraged.

Position Qualifications: A Ph.D. in Mathematics or Statistics is required. The Mathematical Sciences Department currently has 28 tenured/tenure-track faculty members, 9 postdoctoral scholars, and features a vibrant Ph.D. program in Mathematical Sciences, including Statistics. The department offers bachelor's degrees in Mathematical Sciences and in Actuarial Mathematics, and master's degrees in Applied Statistics, Applied Mathematics, Financial Mathematics, and Industrial Mathematics (see http://www.wpi.edu/+math). The department has a strong reputation for its cutting-edge interdisciplinary research and for its successful programs addressing mathematical and statistical problems in industry (http://www.wpi.edu/+CIMS). Qualified applicants should submit a detailed curriculum vitae, a brief statement of specific teaching objectives, a brief statement of research objectives, and four letters of recommendation at least one of which addresses teaching experience or potential via mathjobs.org. Review of applications will begin on January 1, 2016 and will continue until the positions are filled. We are an Equal Opportunity Employer and do not discriminate against applicants due to race, color, religion, sex, sexual orientation, gender identity, national origin, veteran status or disability. We are looking for individuals who value creativity, diversity, inclusion, and collaboration.

Salary Range:

Benefits:

Website: http://www.mathjobs.org/jobs/jobs/7931

Application Information: Submit the following items online at this website: http://www.mathjobs.org/jobs/jobs/7931

1. Cover Letter
2. Curriculum Vitae
3. Research Statement
4. Teaching Statement
5. Four Reference Letters (to be submitted by the reference writers at this site)

Contact Email: ma-chair@wpi.edu

Application Deadline:

Research Analyst
Tufts University

Research Analyst – Research Administration Dental

Department of Research Administration/Scientific and Clinical Research Center is the clearinghouse and supervisory structure for all research, grants, and contracts at Tufts University School of Dental Medicine (TUSDM). The Department ensures regulatory and financial compliance and is the managerial home to most research personnel at TUSDM. Within the Department is the Division of Biostatistics and Experimental Design, which supports the research endeavors of the students and faculty at TUSDM. This support includes but is not limited to study design, sample size determination, statistical analysis for research projects, and manuscript writing.

Position Title: Research Analyst

Duties and Responsibilities: The Research Analyst would work closely with dental students and faculty to assist with the study design, sample size determination, and statistical analysis for research projects. He or she would also be involved in some basic manuscript writing.

Basic Requirements:
BS or MS in Statistics, Biostatistics, or Epidemiology, or MPH with 0-3 years' experience. MS Office, and some familiarity with common statistical software packages.

Position Qualifications: Preferred Qualifications:
The ideal candidate would have basic skills required in assisting with study design, sample size determination, and statistical analysis for dental student research projects. Some knowledge of a statistical software package, such as SAS or SPSS, is useful as well as comfort with the Microsoft Office Suite. He or she would demonstrate strong verbal and written communication skills, including the ability to interact with dental students. This individual would work effectively in a variety of situations, demonstrate good work habits, and show flexibility and initiative.

Please apply with Requisition #15001186

Tufts University is an AA/EO employer and actively seeks candidates from diverse backgrounds. Please see the Tufts University non-discrimination statement at http://oeo.tufts.edu/non-discrimination-statement/

Apply Here: http://www.Click2apply.net/8vzhmdn8cv

Salary Range:

Benefits:

Website: http://www.Click2apply.net/8vzhmdn8cv

Application Information: Apply Here: http://www.Click2apply.net/8vzhmdn8cv

Contact Email:

Application Deadline:

Postdoctoral Research
Harvard T.H. Chan School of Public Health

Company Information: Founded in 1913, Harvard School of Public Health--now the Harvard T.H. Chan School of Public Health--grew out of the Harvard-MIT School for Health Officers, the nation's first graduate training program in public health.

During the past century, the School's faculty members--frequently working in collaboration with others at Harvard and around the world--have made landmark contributions revolutionizing public health.

Position Title: Postdoctoral Research Position in Statistical Genetics and Genomics

Duties and Responsibilities: Postdoctoral Research Fellow position in statistical genetics and genomics is available at Harvard School of Public Health. This position involves developing and applying statistical and computational methods for analysis of high-throughput genetic and genomic data, including Whole Genome Sequencing association studies, integrative analysis of genetic and genomic data high-dimensional phenotype analysis, and genome-wide epigenetic association studies. We seek an individual with strong statistical, computing and genetic backgrounds and who has expertise in statistical and computational methods for big data, statistical genetics and genomics. The work will involve both methodological research with department faculty and collaboration with subject matter researchers.

Position Qualifications: Ph.D. in a quantitative field, e.g., statistics or biostatistics, computer sciences, strong quantitative research background, statistical and programming proficiency, strong genetic knowledge, as well as good written and oral communication skills.

Salary Range:

Benefits: Harvard University seeks to find, develop, promote, and retain the world's best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Website: http://www.hsph.harvard.edu/biostatistics/fellowship-opportunities/#lin_genomics

Application Information: Scientific questions regarding this position can be sent to Xihong Lin at xlin@hsph.harvard.edu. To apply, send cover letter describing your research interests and interest in the position, with CV. Three reference letters are required. In your application, please reference "Lin Statistical Genetics and Genomics Postdoc". Application materials should be sent by email (preferred) to biostat_postdoc@hsph.harvard.edu, or mail to:

Postdoc Search, c/o Vickie Beaulieu
Department of Biostatistics, Harvard School of Public Health
655 Huntington Avenue, Building 2, 4th Floor
Boston MA 02115.

Contact Email: biostat_postdoc@hsph.harvard.edu

Application Deadline:

Professor of the Practice
Boston University

Company Information: Boston University is a leading private research institution with two primary campuses in the heart of Boston and programs around the world. The Dept of Mathematics & Statistics is an NRC Group I department, with roughly 1/3 of its faculty in areas of statistics and probability. Statistics is organized under the umbrella of the semi-autonomous Program in Statistics within the department, through which degrees in statistics are offered at the BA, MA, and PhD levels, and also a new MS in Statistical Practice professional degree.

Position Title: Professor of the Practice

Duties and Responsibilities: The Department of Mathematics and Statistics at Boston University invites applications for a Professor of the Practice position in the field of Statistics for the new Masters of Science in Statistical Practice (MSSP) program. Designed for individuals with backgrounds in fields like biology, economics, management, and psychology, the MSSP program provides training in the areas of data collection, representation, and exploration, statistical modeling and computing, and consulting, which are increasingly important in decision making for companies, agencies, and nonprofits.

The appointment start date is July 1, 2016. Renewal of the position after the initial two-year appointment is subject to satisfactory performance.

Position Qualifications: The ideal candidate would hold a Ph.D. degree in statistics or closely-related subject. Extensive experience in statistical practice and a strong commitment to teaching are essential. The ideal candidate would teach core courses in the MSSP program, work with students on the in-program consulting projects, help oversee some extra-mural student internships, and be an active participant in the MSSP corporate-industrial affiliates program.

Salary Range: The rank of the Professor of the Practice position and the salary will be commensurate with experience.

Benefits:

Website:

Application Information: Submit the American Mathematical Society cover sheet, curriculum vitae, teaching statement, and at least three letters of recommendation that address statistical practice and expository skills, to http://www.mathjobs.org/jobs. Alternatively, send all material to Professor of the Practice Search Committee, Department of Mathematics and Statistics, Boston University, 111 Cummington Mall, Boston, MA 02215. Applications will be reviewed on a rolling basis until the position is filled, with preference given to those received by April 1, 2016. We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, national origin, disability status, protected veteran status, or any other characteristic protected by law. We are a VEVRAA Federal Contractor. Women and minorities are especially encouraged to apply.

Contact Email:

Application Deadline:

Assistant Professor - Applied Mathematics
Wentworth Institute of Technology

Position Details
Classification Information
Classification Title   Assistant Professor
Position Information
Position Title   Assistant Professor - Applied Mathematics
Position Number 0230
Department   Applied Math

Job Description Summary
Wentworth Institute of Technology in Boston, MA seeks to fill an Assistant Professor of Applied Mathematics position that would start in September 2016.

We are especially seeking candidates with data science or actuarial experience in industry and/or in higher education.

The majority of students that our applied math professors teach are engineering majors and computer science majors. Many of these students are also applied math minor students. Professors in the Department of Applied Mathematics do teach and mentor applied math major students, also, but they are a small percentage of the student body. We value creative and passionate educators that can teach all students.

We are also excited about educating students in an environment that fosters EPIC-Learning: Externally Collaborative, Project-based, Interdisciplinary Curricula for Learning. This EPIC approach to learning mimics what happens in many workplaces across the country. The undergraduate Applied Mathematics major is an interdisciplinary curriculum, so we seek applications from candidates with wide intellectual interests and a demonstrated commitment to excellence in teaching, advising and scholarship. The ideal candidate must be able to develop interdisciplinary projects and foster connections within the Applied Math Department, with other departments at Wentworth and with the external professional community that enrich student experience.

Faculty participate in teaching (especially project-based); curricular development; scholarly activities; advising applied math majors and potentially other majors; recruiting students for the Applied Math B.S. program; collaborating with our Industrial Professional Advisory Committee (and recruiting new members for this committee, as needed) and other service to the Applied Mathematics Department and to the Institute.

If you are interested in preparing our next generation of engineers and designers and if you have substantial experience with project-based learning and undergraduate mathematics education innovation then we'd love to hear from you. Please apply at https://jobs.wit.edu/. In your application please include:1) a cover letter that addresses this job description; 2) a current cv or resume, including references; and 3) a statement of your teaching philosophy.
Wentworth seeks to increase the diverse perspectives of its faculty and encourages applications from members of underrepresented groups in STEM.
Minimum Education Required
Doctoral degree
Preferred Education   Doctoral degree
Minimum Work Experience Required   1 - 3 years
Preferred Work Experience   3 - 5 years
Minimum Knowledge Required   Comprehensive knowledge of theories, concepts and practices and ability to use in complex, difficult and/or unprecedented situations.
Preferred Knowledge   Comprehensive knowledge of theories, concepts and practices and ability to use in complex, difficult and/or unprecedented situations.
Advertised Minimum Qualifications
Ph.D. in applied mathematics or a related discipline. 1- 3 years of teaching experience.
Advertised Preferred Qualifications
Ph.D. in applied mathematics or a related discipline. PhD in applied mathematics or a related discipline. 3- 5 years of teaching experience.
Salary Range   Commensurate with market value in Boston.

Visiting Assistant Professor of Applied Mathematics (full semester hire)
Wentworth Institute of Technology

Position Details

Classification Information
Classification Title   Assistant Professor
Position Information
Position Title   Visiting Assistant Professor of Applied Mathematics (full semester hire)
Position Number
Department   Arts and Sciences

Job Description Summary
The Department of Applied Mathematics at Wentworth Institute of Technology in Boston, MA seeks to fill a Visiting Assistant Professor (also known as full semester hire) position that will start January 2016. We are excited about educating students in an environment that fosters EPIC-Learning: Externally Collaborative, Project-based, Interdisciplinary Curricula for Learning. We are especially seeking candidates with data science or actuarial experience in industry and/or in higher education.

This EPIC approach to learning mimics what happens in many workplaces across the country. We value creative and passionate educators. The undergraduate Applied Mathematics major is an interdisciplinary curriculum, so we seek applications from candidates with wide intellectual interests and a demonstrated commitment to excellence in teaching, advising and scholarship. The ideal candidate must be able to develop interdisciplinary projects and foster connections within the Applied Math Department, with other departments at Wentworth and with the external professional community that enrich student experience.

If you are hired then will participate in teaching (especially project-based) and curricular development.

If you are interested in preparing our next generation of engineers and designers and if you have substantial experience with project-based learning and undergraduate mathematics education innovation then please apply at https://jobs.wit.edu/.

Wentworth seeks to increase the diverse perspectives of its faculty and encourages applications from members of underrepresented groups in STEM.

This position is for the spring semester only and is primarily a teaching position.

Minimum Education Required   Master's degree
Preferred Education   Doctoral degree
Minimum Work Experience Required   1 - 3 years
Preferred Work Experience   1 - 3 years
Minimum Knowledge Required   Comprehensive knowledge of theories, concepts and practices and ability to use in complex, difficult and/or unprecedented situations.
Preferred Knowledge   Comprehensive knowledge of theories, concepts and practices and ability to use in complex, difficult and/or unprecedented situations.
Advertised Minimum Qualifications
M.S. in Applied Mathematics or a related field with 1-2 years of mathematics (or similar) teaching experience

Advertised Preferred Qualifications
Ph.D. Applied Mathematics or a related field with 1-2 years of mathematics (or similar) teaching experience

Salary Range
Posting Detail Information
Posting Number   F00078
Job Category

Tenure-Track Position in Statistics
University of Massachusetts at Boston

Tenure Track Position in Statistics at UMass Boston

The Department of Mathematics at the University of Massachusetts Boston invites applications for a tenure-track Assistant Professor position, beginning September 1, 2016. The research area of interest is Statistics (theoretical or applied). Candidates must possess a Ph.D.in Mathematics or Statistics. The successful candidate will have an active research program, a commitment to excellence in teaching, and the capacity to contribute to departmental and college service, including the development of a graduate program. A teaching load reduction to root a funded research program will be provided. For more information see www.math.umb.edu.

To apply, send cover letter, curriculum vitae, completed American Math Society cover sheet, brief statement of current research plans, brief statement on teaching, and contact information for three letters of recommendation (at least one of which should address the candidate's teaching). Documentation should be submitted through www.mathjobs.org. In addition, applicants must also go to the UMB website and upload a CV:

http://umb.interviewexchange.com/candapply.jsp?JOBID=65607

The review of applications will begin immediately and continue until the position is filled.

Located on Boston harbor, the University of Massachusetts Boston offers undergraduate and graduate programs in 190 fields of study. It serves a diverse population of more than 17,000 students and is nationally recognized as a model of excellence for urban universities. Faculty have many opportunities for interdisciplinary research and collaboration, e.g., in the physical, biological, environmental and computational sciences.

For more information about the university, see www.umb.edu.

The University of Massachusetts Boston provides equal employment opportunities to all employees and applicants for employment without regard race, color, religion, gender, gender identity or expression, age, sexual orientation, national origin, ancestry, disability, military status, or genetic information. In addition to federal law requirements, the University of Massachusetts Boston complies with applicable state and local laws governing nondiscrimination in employment in every location in which the university operates. This policy applies to all terms and conditions of employment.

Application Materials Required:
> **Submit** the following items online at this website:

- Cover Letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Publication List
- Three Reference Letters (to be submitted by the reference writers at this site)

> **And anything else requested in the position description.**

Further Info:
> http://www.math.umb.edu
> 100 Morrissey Blvd.
> Boston, MA 02125-3393

Postdoctoral Research Position in Environmental Health
Harvard T.H. Chan School of Public Health

Description:

The Departments of Biostatistics and Environmental Health (Harvard T.H. Chan School of Public Health) are seeking candidates with PhD in Statistics/Biostatistics, or Environmental Health, for two two-year postdoctoral positions. One of the positions will be more focused on statistical methodologies, involving the development of statistical methods to estimate health effects associated with a large number of exposures, accounting for multiple potential confounders and interactions; and causal inference methods for exposure response functions. The second position will involve more data analysis focusing on estimating the health risks associated with short and long-term exposure to air pollution, weather, and non-chemical stressors.

Qualifications:

Doctoral degree in Statistics, Biostatistics, Environmental Health or a related field; familiarity in Bayesian modeling, Poisson regression, Cox proportional regression models are encouraged. Knowledge of SAS and R is also encouraged. Excellent communication and writing skills desired.

Additional Information:

Interested applicants please send CV and have at least two referees send recommendation letters to biostat_postdoc@hsph.harvard.edu. In your application, please reference "Environmental Health Postdoc."

Harvard University seeks to find, develop, promote, and retain the world's best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Information on resources for career development and work/life balance at SPH can be found at: Career development and work/life balance.

New England Research Institutes
Senior Research Scientist/Biostatistician

New England Research Institutes (NERI) was founded in 1986 and has grown to become a clinical research organization with a global reputation for high-quality research, innovative thinking, and the use of state-of-the-science tools and techniques. NERI continues to be a leader in public health research, clinical trials management, epidemiology, and state of the art media and dissemination research.

NERI's growth and success has been driven by strong leadership, disciplined attention to scientific integrity, and its ability to attract and retain exceptionally talented staff members. The depth of experience, skill, and expertise that the entire NERI staff brings to each project is what sets NERI apart from other research organizations and is what continues to propel NERI through the 21st century.

We currently have an opening for a full time Senior Research Scientist/Biostatistician. Qualified candidates for the Senior Research Scientist/Biostatistician position will be able to work independently and lead a research team. This position contributes directly to revenue through seeking and securing funding, performing statistical analyses and consultation on study protocols, preparing analysis plans, overseeing the conduct, analysis, preparation of integrated clinical and statistical reports and supervising statistical staff. May have the opportunity to be the lead on or coauthor scientific publications.

Knowledge, Skills and Abilities:
- Strong experience leading multi-site clinical trials
- Maintain knowledge and awareness of developments in biostatistics and clinical trials methodology and regulatory requirements that impact on statistical analyses
- Solid understanding of pragmatic and adaptive designs and cluster-unit trials
- Evidence of strong management skills, as shown through management of multiple projects and proven ability to manage, mentor, and motivate staff
- Demonstrated initiative and motivation
- Excellent written and verbal communications skills, including the ability to clearly describe advanced statistical techniques and interpret results
- Good organizational skills with the ability to adapt and adjust to changing priorities
- Positive attitude and the ability to work well with others
- Strong history of publications in peer-reviewed journals

Qualifications:
- PhD with at least 10 years of experience working on clinical trials
- Advanced degree in Statistics, Biostatistics, or related field
- Strong working knowledge of SAS
- Familiarity with complex statistical methods that apply to Phase I-IV clinical trials
- Proven track-record securing commercial or governmental funding is preferred

If interested, please visit us at www.neriscience.com.

NERI is an Equal Opportunity Employer and considers qualified applicants for employment without regard to race, color, creed, religion, national origin, sex, sexual orientation, gender identify and expression, age, disability, Vietnam era or other eligible veteran status, or any other protected factor. NERI is a VEVRAA Federal Contractor.

Multiple Openings
MathWorks

MathWorks in Natick is has multiple openings for people with skills in statistics and machine learning. Most of these are new positions to support additional investment in this popular area.

Content developer (two positions). Write documentation, examples, and tutorials to show creative ways to use MathWorks statistics and machine learning tools to solve challenging problems.
http://www.mathworks.com/company/jobs/opportunities/15527
http://www.mathworks.com/company/jobs/opportunities/15086

Product marketing. Help us grow the market for our machine learning, deep learning, and statistics products for data analytics and scientific computing with MATLAB.
http://www.mathworks.com/company/jobs/opportunities/15642

Technical evangelist. Drive the usage of MATLAB for data science, statistics, and machine learning for research and education within universities.
http://www.mathworks.com/company/jobs/opportunities/15142

Code generation software developer (two positions). Develop software to generate code that will enable statistics and machine learning models to be deployed to devices.
http://www.mathworks.com/company/jobs/opportunities/15285
http://www.mathworks.com/company/jobs/opportunities/15286

Software developer. Write software to expand the machine learning capabilities in MATLAB.
http://www.mathworks.com/company/jobs/opportunities/13743

See the individual job descriptions for information on each position, including the qualifications required and information about how to apply. All positions require knowledge of machine learning or statistics. The software development positions also require software experience, preferably including both a high-level language like MATLAB or R, and a lower-level language like C++.

Feel free to send any questions to Tom Lane, tlane@mathworks.com.

Preceptor in Statistics
Harvard University

Department of Statistics at Harvard University is seeking a Preceptor in Statistics, to begin on July 1, 2016. The position listing is at https://academicpositions.harvard.edu/postings/6564

Here is a summary of the position description of the position and the application process.

Duties and Responsibilities: Recruit, train, and manage the teaching fellows/assistants and Study Network facilitators; Assist in the training of teaching fellows/assistants in all Statistics Department courses; Serve as Head Teaching Assistant and Teaching Assistant in one or more sections, depending on course enrollments;
Assist the faculty course heads with course administration for the undergraduate courses in Statistics, which have a combined annual enrollment of approximately 1500; Provide assistance with course development.
The position is for one year, renewable on a yearly basis for up to eight years, but for candidates with exceptional qualifications and extensive relevant experiences, the initial appointment can be made for three years.

Position Qualifications: The successful applicant should have a minimum of a Master's degree, or equivalent, in Statistics, Biostatistics or closely related field, and demonstrated excellence in teaching statistics at the introductory level. A strong academic record, especially at the graduate level, and prior experiences in training teaching fellows/teaching assistants are strongly preferred. Organizational ability, strong interpersonal and communication skills, and managerial ability are essential.

Application Information: Applicants should submit the following through the ARIES portal (http://academicpositions.harvard.edu/postings/6533)
1. Cover letter
2. Curriculum vitae
3. Statement of teaching interests, including teaching philosophy, goals, methods, and prior experience.
4. Teaching materials, including representative course syllabi (if relevant) and evidence of teaching effectiveness (e.g., teaching awards and evaluations).
5. At least 3 letters of recommendation are required, especially from those who can comment on teaching ability and other Basic Qualifications, as described above.

For more information, contact Betsey Cogswell, cogswell@stat.harvard.edu

Lecturer/Senior Lecturer of Health Data Science
Harvard T.H. Chan School of Public Health

Details
Title   Lecturer/Senior Lecturer of Health Data Science
School   Harvard T.H. Chan School of Public Health
Department/Area Biostatistics
Position Description
The Department of Biostatistics at the Harvard T.H. Chan School of Public Health (SPH) seeks outstanding candidates for a faculty position at the lecturer or senior lecturer level in data science.

The department has made educating the next generation of data scientists one of its top priorities. The lecturer/senior lecturer will be an integral part of our faculty, as they will play a leadership role in developing a new Master of Science Program in Data Science with an emphasis in health applications. Candidates should have a strong background in data analysis and computing for big data as well as enthusiasm for research, teaching, and mentorship throughout the graduate program.

Harvard University seeks to find, develop, promote, and retain the world's best scholars and is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Basic Qualifications
Candidates are required to have a doctorate degree in biostatistics, statistics, computer science, or related fields by the time the appointment begins.
The lecturer and senior lecturer appointments are non-tenure-track faculty appointments.

Please apply to: https://academicpositions.harvard.edu/postings/6467

Additional Qualifications
Special Instructions
The Department of Biostatistics at the Harvard T.H. Chan School of Public Health (SPH) also has the following tenure track positions available: 1) one tenure track position at the assistant or associate professor level in the areas of statistical and computational science for big data in health science and 2) two tenure track positions at the assistant or associate professor level in the areas of statistical genetics and genomics and computational biology. For more detail on these positions, please go to http://www.hsph.harvard.edu/searches/.

Contact Information
For questions, please contact:

Chair, Search Committee for Data Science Lecturer/Senior Lecturer
c/o Vickie Beaulieu
Department of Biostatistics
Harvard T.H. Chan School of Public Health

Contact Email   biostatjrsearch@hsph.harvard.edu
Equal Opportunity Employer
We are an equal opportunity employer and all qualified applicants will receive consideration for employment without regard to race, color, religion, sex, sexual orientation, gender identity, national origin, disability status, protected veteran status, or any other characteristic protected by law.

Minimum Number of References Required   3
Maximum Number of References Allowed   5

Postdoctoral Research Position in Quantitative Sciences for Cancer Research
Harvard T.H. Chan School of Public Health

Description:

The Department of Biostatistics at the Harvard T. H. Chan School of Public Health invites applications for a post-doctoral research fellow position supported by the Training Grant in Quantitative Sciences for Cancer Research. The research fellow will engage in methodological research and participate in synergistic collaborative research in cancer, with mentors chosen by mutual agreement as part of the recruitment process.

Qualifications:

A doctoral degree is required. Appropriate degrees include statistics, computer science, applied mathematics, bioinformatics, biostatistics, quantitative human genetics, quantitative epidemiology, systems biology or other fields of science relevant to computational cancer research. Interest across all applications of quantitative sciences in cancer research, including basic, population, and clinical sciences are welcome. The ideal candidate will have excellent technical and writing skills, knowledge of relevant programming languages, and an ability to collaborate across disciplines. U.S. citizenship or permanent residency required. Anticipated start date is August 2016.

Additional Information:

Interested applicants should send a letter of application indicating current and future research interests, a curriculum vitae, and names of three references. In your application, please reference "Training Grant in Quantitative Sciences for Cancer Research" and indicate any preliminary preferences for mentorship assignment. Application materials should be sent by email to biostat_postdoc@hsph.harvard.edu.

Harvard University seeks to find, develop, promote, and retain the world's best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Information on resources for career development and work/life balance at SPH can be found at:

Career development and work/life balance.

BCASA REGION STATISTICS SEMINARS

Below is a list of the regional statistics (& mathematics) and biostatistics departments that often offer statistics seminars, along with URLs for each department and its seminars. It your institution would like to appear on this list, please contact John McKenzie (mckenzie@babson.edu).

Boston University College of Arts & Sciences
Department of Mathematics & Statistics
http://www.bu.edu/stat/
http://www.bu.edu/stat/seminar/

Boston University School of Public Health
Department of Biostatistics
https://sph.bu.edu/Biostatistics/department-of-biostatistics/menu-id-617603.html
https://sph.bu.edu/Biostatistics/seminars/menu-id-617654.html

Brown University
Division of Applied Mathematics
http://www.dam.brown.edu/
http://www.dam.brown.edu/dam_seminars.shtml

Brown University School of Public Health
Department of Biostatistics
http://www.stat.brown.edu/

Harvard University
Department of Statistics
http://statistics.fas.harvard.edu/
http://statistics.fas.harvard.edu/calendar

Harvard University T. H. Chan School of Public Health
Department of Biostatistics
http://www.hsph.harvard.edu/biostatistics/
http://www.hsph.harvard.edu/biostatistics/seminars-events/

Massachusetts Institute of Technology
Institute of Data, Systems, and Science
http://idss.mit.edu/index.php/event/stochastics-and-statistics-seminar-series/

University of Maine
Department of Mathematics & Statistics
http://umaine.edu/mathematics/
http://umaine.edu/mathematics/colloquium-schedule/

University of Massachusetts Amherst School of Public Health and Health Sciences
Department of Mathematics and Statistics
https://www.math.umass.edu/
https://www.math.umass.edu/~gile/Seminar/

University of Massachusetts Amherst School of Public Health and Health Sciences
Department of Biostatistics
http://www.umass.edu/sphhs/biostatistics

University of New Hampshire
Department of Mathematics & Statistics
http://www.math.unh.edu/
http://www.math.unh.edu/seminars

University of Rhode Island
Department of Computer Science and Statistics
http://www.cs.uri.edu/

University of Vermont College of Engineering and Mathematical Sciences
Department of Mathematics & Statistics
http://www.uvm.edu/~cems/mathstat/

Worchester Polytechnic Institute
Department of Mathematical Sciences
http://www.wpi.edu/academics/math/
http://www.wpi.edu/academics/math/news.html

The BCASA Newsletter is published four times during the academic year and is emailed to current BCASA members. Send comments or suggestions to any of the individuals listed below.

BCASA OFFICERS	
President, 2015-16	James MacDougall, Consultant
Program Chair, 2013-16	John McKenzie, Babson College
Program Vice-Chair, 2013-16	Robert Goldman, Simmons College
Program Vice-Chair, District 1, 2015-17	Mimi Y. Kim, Albert Einstein College of Medicine
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Newsletter Editor, 2015-16	Yan Dong, OPKO Diagnostics
BCASA COMMITTEE CHAIRPERSON	
Mu Sigma Rho	Liam O'Brien, Colby College