

BCASA NEWSLETTER

Boston Chapter of the American Statistical Association

Serving

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

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

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SCHEDULED EVENTS & MEETINGS

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
April 28, 2016	Boston Evening Lecture by Samuel Cook	Boston, MA
April 29, 2016	Chernobyl Nuclear Disaster 30th Anniversary Talk	Boston, MA
May 20, 2016	eCOTS 2016 Regional Mini-Conference	Boston, MA
May 24 2016	Boston Evening Lecture by Geoff Cummings	Boston, MA
May 24-25, 2016	Modern Modeling Methods Conference	Storrs, CT
October 29, 2016	New England Isolated Statisticians Meeting	Easton, 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.

EVENTS & MEETINGS

2016 Mosteller Statistician of the Year Award Banquet

George Cobb of Mount Holyoke College was the recipient of the 2016 Mosteller Statistician of the Year Award. The award banquet was held on February 24th at Simmons College. George's talk was titled "Why Do We Statisticians Always Manage to Find a Cusp to Sit Upon?" Mike Sutherland, a long-time friend and colleague of George, introduced him. In addition to his talk, George shared some memories about Fred Mosteller, including showing clips of Fred teaching probability and statistics on the 1960's TV show Continental Classroom.



From left to right: George Cobb, Michael Sutherland, and Jim MacDougall

The Future of Clinical Trials: A Panel Discussion

The Boston Chapter of the ASA hosted a panel discussion on the future of clinical trials at the Kendall Square Marriott in Cambridge MA on March 23rd. The evening started with a light dinner followed by a panel discussion. The panelists were:

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

Scott Evans of Harvard University moderated the event. Discussion topics included: personalized medicine, clinical trial master protocols, orphan drug development, adaptive trial designs, optimizing endpoints to meet the trial objectives, and patient reported outcomes.



From left to right Ralph D'Agostino, Marc Pfeffer, Bob O'Neill, Patrick Marquis, David Schoenfeld, Cyrus Mehta, and Scott Evans.

In addition to the panel discussion, the attendees were treated to dueling banjo music from Bob O'Neill and David Schoenfeld.



From left to right Bob O'Neill, David Schoenfeld, and Patrick Marquis,

EVENING LECTURE SERIES

Intersections and Diversions in Statistics Education and Mathematics Education

Samuel Cook

Assistant Professor of Mathematics

Wheelock College

Date: Thursday, April 28, 2016

Time: Social 6:15 pm, Dinner 6:30 pm, Presentation 7:00 pm

Location: Faculty Dining Room, 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://bcasa2016apr.eventbrite.com> by April 26

Cost: Dinner: \$8 for chapter members; \$10 for non-members; students free. Presentation: free.

Abstract:

In the last decade, statisticians have attempted to take the reins of statistics education and separate themselves from mathematics educators. This talk will discuss how statistics education both diverges from mathematics education and intersects with it and is intended to be discussed from a neutral viewpoint. Dr. Cook is a trained applied statistician who has a current research agenda in the mathematics education community; he has attended research talks and presented his own research to both mathematics education and statistics education communities, finding the experiences to be different. This talk will draw on these experiences, his research and the research and published opinions of others in the field.

Speaker Biography:

Prior to Wheelock, Dr. Cook spent two years as a faculty member in the Department of Mathematics and Statistics at the University of New Hampshire. He earned a M.S. in applied mathematics and a Ph.D. in statistics from Stony Brook University. Before graduate school the speaker taught math and physics for AVID, a high school program that targets potential first-generation college students. Among the speaker's current research interests is how students use and their understanding of symbols when learning statistics. He is active in the Research in Undergraduate Mathematics Education (RUME) community. In his spare time, Cook is a big sports fan and enjoys sabermetrics, the study of sports statistics, as well as playing basketball, tennis and ultimate Frisbee.

Boston Evening Lecture by Geoff Cumming

Date: Tuesday, May 24, 2016

Time: 6:30pm

Location: TBA

Speaker: Geoff Cumming,

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

Discussant: Cassandra Pattanayak,

Jack and Sandra Polk Guthman '65 Director of the Quantitative Analysis Institute, Wellesley College.

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.

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

Monday, April 11, 4:00 p.m., UMass, 16th floor of Lederle Graduate Research Tower Room 1634, Amherst, MA

Tuesday, April 12, 12:10 p.m., McConnell Auditorium, Smith College, Northampton, MA

Tuesday, April 12, 4:00 p.m., Adele Simmons Hall Room 112, Hampshire College

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.

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>

Nuclear Control System Reliability: a Talk on the 30th Anniversary of the Chernobyl Nuclear Disaster

Date and Time: Friday, April 29th, 6 p.m.

Location: Northeastern University (room TBD)

Cost: Free

Speaker: Dr. Michael Yastrebenetsky

Dr. Yastrebenetsky is the editor of the journal Reliability: Theory and Applications a publication of the Gnedenko Forum (<http://www.gnedenko-forum.org/Journal/index.htm>).

Topic:

This year marks 30 years since Chernobyl nuclear power plant disaster (26 April 1986) and only 5 years since the Fukushima Daiichi nuclear power disaster (11 March 2011). The reliability and safety of nuclear power plants is critical today and for the future as the world continues to rely on nuclear power to feed an ever-growing demand for power. This talk will be on nuclear control system reliability by one of the leading nuclear control system reliability experts Dr. Michael Yastrebenetsky. We have an opportunity to host Dr. Yastrebenetsky in Boston during the same week as the 30-year anniversary of Chernobyl.

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.

The theme for eCOTS 2016 is “Changing with Technology”. Advances in technology provide both new opportunities and new demands when it comes to statistics education. Technology is inspiring change in many different aspects of statistics education; what we teach (curriculum), how we teach (pedagogy), who we teach (audience), and why we teach (goals). This conference is designed to spark new ideas for how to change with technology, to help bring existing ideas to fruition, and to provide a forum for us to learn from and engage with each other.

eCOTS 2016 will feature two keynote speakers: Andrew Gelman from Columbia University who will speak on "Changing everything at once: Student-centered Learning, computerized practice exercises, evaluation of student progress, and a modern syllabus to create a completely new introductory statistics course" and Michael Jordan from University of California, Berkeley who will speak on "Computational Thinking and Inferential Thinking: Foundations of Data Science". Further information about these two keynotes may be found at www.causeweb.org/cause/ecots/ecots16/keynotes.

eCOTS will also include virtual panel discussions, breakout sessions, workshops, posters, birds-of-a-feather discussions, and new this year, eight regional face-to-face mini-conferences connecting to eCOTS. One of these will be held at Simmons College on Friday, May 20th. Registration for the mini-conferences is included free if you sign up when you register for eCOTS!

Tickets are \$25 for an all-access pass to each day's live webinars, materials, and recordings (www.causeweb.org/cause/ecots/ecots16/register).

Here is the schedule for the Boston Chapter Regional Conference at Simmons College.

11:00 - 12:00 p.m.	Viewing of Panel on Teaching with Simulation-Based Inference
12:00 - 2:00 p.m.	Lunch Discussion of Gelman’s Keynote and Simulation-Based Inference Panel Participation in Four Birds-of-a-Feather Discussions
2:00 - 3:00 p.m.	Viewing of Panel on Teaching Data Science
3:00 - 5:00 p.m.	Break Discussion of Jordan’s Keynote and Data Science Panel Participation in Four Birds-of-a-Feather Discussions

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

Modern Modeling Methods 2016 Conference

The Modern Modeling Methods (M3) conference is an interdisciplinary conference designed to showcase the latest modeling methods and to present research related to these methodologies. Please join us for the 6th annual conference on May 24-25, 2016.

Our keynote speakers for the 2016 conference include Andrew Gelman and Bengt Muthen. In addition, Bengt Muthen will conduct a full day pre-conference workshop on Monday, May 23, 2016. Jeffrey R. Harring will offer a post-conference workshop on Thursday (May 26th), on Finite Mixture Modeling - Statistical Methods for Correlated Data.

More information could be found on their website at <http://modeling.uconn.edu/>

21st New England Isolated Statisticians Meeting (NEISM21)

The 21st New England Isolated Statisticians Meeting (NEISM21) will be held on Saturday, October 29, 2016. The meeting will take place at Stonehill College in Easton, Massachusetts. This annual event is a wonderful opportunity for statisticians isolated (usually, but not always, in mathematics departments) to discuss topics related to teaching statistics. For further information, email Bob Goldman (robert.goldman@simmons.edu) or John McKenzie (mckenzie@babson.edu).

NEWS & ANNOUNCEMENTS

ASA Statement on *P*-Values Draws Attention

There have been more than 75,000 views of the **ASA's Statement on P-Values and Statistical Significance** since it was released on Monday, March 7. Many science media outlets have picked up the story. Here are a few examples:

- **Nature**
- **Science**
- **FiveThirtyEight**
- **Retraction Watch**
- **ScienceNews**

Articles are popping up in more general media, as well. For example, the story was picked up on **Inside Higher Education** and **Vox**. And many people are blogging, tweeting, and posting.

ASA members have been posting to **ASA Connect** or writing directly to ASA Executive Director **Ron Wasserstein**. We want to hear from you about the statement, and we encourage you to spread the word through your networks, especially to those in your networks who are not statisticians, but are users of statistics.

The ASA “Statement on Statistical Significance and P-Values” includes six principles underlying the proper use and interpretation of the p-value and is intended to improve the conduct and interpretation of quantitative science and inform the growing emphasis on reproducibility of science research. “The p-value was never intended to be a substitute for scientific reasoning,” said Ron Wasserstein, the ASA’s executive director, in a press release. “Well-reasoned statistical arguments contain much more than the value of a single number and whether that number exceeds an arbitrary threshold. The ASA statement is intended to steer research into a ‘post $p < 0.05$ era.’” The statement is published in *The American Statistician* along with more than a dozen discussion papers to provide further perspective on this broad and complex topic.

Dr. Erland Sorensen is the 1st Recipient of the BCASA Award for Outstanding Undergraduate Teaching of Statistics

The Planning Committee of the Boston Chapter is delighted to announce that the winner of the first BCASA Award for Outstanding Undergraduate Teaching of Statistics is Dr. Erland 'Eri' Sorensen. Dr Sorenson is a Senior Lecturer at Bentley University. He was nominated by his colleagues Dominique Haughton and Mingfei Li respectively, Professor and Associate Professor of Mathematical Sciences at Bentley.

As a reason for selecting Dr. Sorensen for this award we can do no better than to cite the words of his nominators:

“Dr. Erland Sorensen is an outstanding teacher who has taught undergraduate statistics courses for over 30 years. Currently, as a senior lecturer, he teaches and coordinates the undergraduate statistics course at Bentley University – a course which is part of the required business core for all students. He has won the “outstanding teaching award” at all three universities where he has been an instructor: Syracuse University (1980), Northeastern University (1984), and Bentley University (2004).

At Bentley, he mentors new faculty members -- both full-time and adjunct – as well as the PhD students. He was recruited and hired to mentor statistics professors at Providence College and Clark University. In 2012, he was named one of “The Best 300 Professors” in the United States by the Princeton Review. From all aspects, he serves as a role model for other statistics instructors – basically teaching them how to teach better. Thus, we would like to nominate Dr. Erland Sorensen for the BCASA Outstanding Undergraduate Teaching Award. “

We congratulate Dr. Sorensen and look forward to a presentation by him to the Chapter possibly later in the year.

5th Annual L. Adrienne Cupples Award for Excellence in Teaching, Research, and Service in Biostatistics Announced

Boston University School of Public Health announced the 5th annual L. Adrienne Cupples Award for Excellence in Teaching, Research, and Service in Biostatistics. This year's awardee is Mark van der Laan, Jiann-Ping Hsu/Karl E. Peace Professor in Biostatistics & Statistics from University of California, Berkeley.

Dr. van der Laan gave a talk at the award ceremony held on April 7, 2016, titled Targeted Learning: *Applications in Precision Medicine*. Below is the abstract of the talk.

Abstract

This talk will review Targeted Learning, a general statistical approach that uses machine learning to answer a user-supplied (low-dimensional) question of interest about the data generating distribution, while still providing statistical inference in terms of confidence intervals and p-values.

Targeted Learning provides a powerful tool for developing and evaluating optimal dynamic treatment regimes, a central objective in precision medicine. A dynamic treatment regime is a rule for assigning and modifying a patient's treatment over time in response to that patient's individual evolving characteristics. In other words, a dynamic regime is a decision rule for delivering personalized care. Targeted Learning can be used to both learn the optimal dynamic regime (the decision rule that would optimize some outcome if applied to the target population as a whole) and to provide rigorous statistical inference for the comparative effectiveness of this learned optimal regime (as compared, for example, to simpler or non-personalized alternatives).

Two ongoing applied collaborations provide illustration. The first aims to learn the optimal rule for assigning blood-transfusions to trauma patients using observational data from San Francisco General Hospital. The second aims to learn the optimal rule for assigning behavioral interventions and incentives in order to retain patients in HIV care based on data from a sequentially randomized trial in Kenya.

Honors for Social Sciences Textbook on Causality



The Cambridge University Press book by Guido Imbens (Stanford) and [Don Rubin](#) (pictured) on [Causal Inference for Statistics, Social, and Biomedical Sciences: An Introduction](#) has been awarded [2016 PROSE award](#) for the best textbook in the social sciences.

Two Harvard University Students Awarded NSF 2016 Graduate Research Fellowships

Zachary Joseph Branson and Keyon Vafa, selected from an applicant pool of nearly 17,000 individuals, were awarded the National Science Foundation (NSF) 2016 Graduate Research Fellowships. They were joined by 17 other statisticians. Congratulations to Zachary and Keyon!

2016 Pickard Lecture—Call for Nominations

The Statistics Department at Harvard University is soliciting nominations for the 2016 Pickard Lecture Award. This biennial award is funded by the David K. Pickard Memorial Endowment in memory of Professor Pickard, who was an exceptional teacher of statistics. Every two years, we host a lecture and reception to recognize an outstanding university faculty member, who gives a talk on a topic to do with teaching and pedagogy. Additional information about the award and previous winners are available here

http://www.stat.harvard.edu/Site_Content/Pickard_Lecture.html.

We welcome all nominations starting now until 5:00 pm on Wednesday, June 15th. All university faculty from outside Harvard University are eligible. Please send your nominee's CV and a letter of recommendation to Madeleine at mstraubel@fas.harvard.edu. You may direct any questions to her as well.

Call for Nominees for Mitchell Prize and Savage Awards

The Prize Committee of International Society for Bayesian Analysis (ISBA) is pleased to call for submissions for the 2016 Savage Awards and Mitchell Prize. The deadline for submissions, which can be made online, is May 31, 2016.

The Mitchell Prize is given in recognition of an outstanding paper that describes how a Bayesian analysis has solved an important applied problem. For details on the Mitchell Prize, including names of past winners, eligibility details, and the on-line application procedure, please visit:

<http://www.bayesian.org/awards/MitchellPrize.html>

The prize includes a check for \$1000 and a plaque; the winner(s) will be announced at the Joint Statistical Meetings in Baltimore, Maryland, USA July 29- Aug 3, 2017.

The Savage Award, named in honor of Leonard J. "Jimmie" Savage, is bestowed each year to two outstanding doctoral dissertations in Bayesian econometrics and statistics, one each in Theory & Methods and Applied Methodology. For details on the Savage Award, including names of past winners, eligibility details, and the on-line application procedure, please visit

<http://www.bayesian.org/awards/Savage.html>

Up to two awards of \$750 will be awarded. Finalists will be notified in December 2016 and invited to present their dissertation research at a special session at the Joint Statistical Meetings in Baltimore, Maryland, USA July 29- Aug 3, 2017.

Nominations Are Open for the International Prize in Statistics



Nominations are open for the first **International Prize in Statistics**, to be awarded at the International Statistical Institute ([ISI](http://www.isi2017.org)) World Statistics Congress (www.isi2017.org) in Marrakech in July, 2017.

The purpose of the Prize is to call public attention to the important role that statistics, data analysis, probability, and understanding of uncertainty have played and are playing in the advancement of society, science, technology and human welfare. The Prize was created by five international statistical societies ([American Statistical Association](#), [International Biometric Society](#), [International Statistical Institute](#), [Institute of Mathematical Statistics](#), [Royal Statistical Society](#)).

Nominations are open through August 15, 2016. The first International Prize in Statistics recipient will be announced in October, 2016, and will be honored during a special ceremony in Marrakech in 2017. The Prize will carry with it a cash award of at least \$75,000.

An international prize recognizing excellence in statistics has been a dream for many people for many decades, and the [International Prize in Statistics Foundation](#) is thrilled to be making this long-awaited prize a reality. But your help is needed! Please spread the word through your networks, especially via social media. We need to make sure we receive outstanding nominations for the Prize.

Questions may be directed to Ron Wasserstein (ron@amstat.org) or Susan Ellenberg (sellenbe@upenn.edu).

Mathematics Awareness Month, April 2016 The Future of Prediction

The Joint Policy Board for Mathematics (JPBM) has selected "The Future of Prediction" as the theme for Mathematics Awareness Month 2016. Yogi Berra, paraphrasing Niels Bohr, said "It's tough to make predictions, especially about the future." Throughout Mathematics Awareness Month 2016, the JPBM invites you to explore how mathematics and statistics are the future of prediction, providing insights and driving innovation. During the month, the Joint Policy Board will ask the question, "What's next?" and explore how mathematicians and statisticians contribute to the future. So, visit the website (www.mathaware.org) and join the quest to help us predict future timeline entries. The JPBM's goal for MAM 2016 is to show how mathematics and statistics provide the tools to make accurate predictions possible.

Mathematics Awareness Month, held each year in April, was created to increase public understanding of and appreciation for mathematics. It began in 1986, when President Reagan issued a proclamation establishing National Mathematics Awareness Week. Activities for Mathematics Awareness Month generally are organized on local, state and regional levels by college and university departments, institutional public information offices, student groups, and related associations and interest groups. The JPBM is a collaborative effort of the American Mathematical Society (AMS), the American Statistical Association (ASA), the Mathematical Association of America (MAA), and the Society for Industrial and Applied Mathematics (SIAM).

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 (jamesmacedougall@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, jamesmacedougall@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

Post-doctoral Associate, Department of Biostatistics Boston University School of Public Health

Two-year, renewable post-doctoral position to develop and implement statistical approaches for analysis of genetics and genomics data. The post-doctoral associate will have the opportunity to work under the supervision of faculty members in the Department of Biostatistics with expertise in statistical genetics and genomics, with potential for teaching opportunities. The successful applicant is expected to participate actively in collaborative research projects and in applied methodological research.

Candidates should have experience with methods and analysis of big data, especially genetics and genomics datasets. Applicants should have strong communication and writing skills. Candidate should hold a PhD or equivalent doctoral degree in statistics, biostatistics, bioinformatics or computer science. Applicants may start as early as possible and applications will be considered until the position is filled.

Interested applicants should send their curriculum vitae, a cover letter detailing research experience, and contact information for three references to bio-recruit@bu.edu.

Inquiries to Dr. Josée Dupuis (dupuis@bu.edu).

Boston University is an Equal Opportunity Employer.

**Professor of Practice
Boston University**

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 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.

The rank of the Professor of the Practice position and the salary will be commensurate with experience. The appointment start date is July 1, 2016. Renewal of the position after the initial two-year appointment is subject to satisfactory performance.

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.

Programmer/Analyst II Brigham and Women's Hospital

Company Information: The mission of the Center for Surgery and Public Health (CSPH) is to advance the science of surgical care delivery by studying effectiveness, quality, equity, and value at the population level, and to develop surgeon-scientists committed to excellence in these areas.

Established at Brigham and Women's Hospital by Dr. Michael J. Zinner in 2005, CSPH is a joint program of Harvard Medical School and the Harvard T. H. Chan School of Public Health. The Center's connectivity to these rich academic environments provides essential access to interdisciplinary expertise and resources both inside and outside of surgery. In our efforts to transform practice and influence public policy, CSPH works with a diverse set of collaborators, including academic institutions, non-profit and for-profit organizations nationally and internationally.

Position Title: PROGRAMMER/ANALYST II

Duties and Responsibilities: Functioning very independently and under the very general direction of the Principal Investigator, as well as a team of fellows and epidemiologists, performs complex statistical analyses of administrative or electronic medical records. May identify, develop, and implement new computational techniques under the supervision of our lead biostatistician. On a regular basis, will be expected to work with scientific literature, reports, journals and presentations.

PRINCIPAL DUTIES AND RESPONSIBILITIES:

1. Under general supervision of the Principal Investigator, applies, researches, and develops statistical models for analysis, inference, and prediction from administrative, registry or electronic medical records sources.
2. Develops software for use in the Principal Investigator's laboratory, and possibly for general use in the research community, for analyzing data. Software must be well-documented and maintained, including appropriate version control, internal documentation, and user manuals.
3. Contributes to scientific literature, reports, journals and presentations.
4. Assists in orientation and training of graduate students, post-doctoral fellows, epidemiologists, and other personnel as needed.

QUALIFICATIONS:

MS degree in quantitative field such as statistics, operations research, mathematics, or computer science. Strong academic credentials required.

Relevant research experience in analysis of complex datasets.

WORKING CONDITIONS:

Work will take place in dry lab/office research space in the Center for Surgery and Public Health, a joint program of Harvard Medical School and the Harvard T. H. Chan School of Public Health.

Position Qualifications: SKILLS/ABILITIES/COMPETENCIES REQUIRED:

- Strong theoretical statistics (including Bayesian methods) and mathematics skills.
- Strong experience applying sophisticated statistical, mathematical, or machine learning methods to analyze complex datasets.
- Strong programming skills, including in SAS, STATA and/or R.
- Excellent time management/organizational skills.
- Strong written and verbal presentation skills.
- Ability to work well in a multidisciplinary, team setting.
- High degree of initiative and ability to persevere on research problems.

Application Information: We need another programmer to support our team. Send me an email and we can chat. We are cool people to work with.

Contact Email: qtrinh@bwh.harvard.edu

Application Deadline: 04/30/2016

Data Science Intern Fidelity in Boston

Data Science Internship Opportunities at Fidelity Investments, Boston

Team description: The Data Science team in Fidelity Workplace Investing is responsible for data science and Big Data analytics to uncover customer needs, provide impactful business insights, improve personalization, support thought leadership, enhance product offerings, and optimize marketing communications & digital platforms through strategic and intelligent usage of data science and advanced analytics.

Location: Boston

Qualifications: MS or PhD students in analytics, statistics, data science, computer science, economics, operations research, or applied mathematics

Skills: Machine learning, Advanced Statistics, Natural Language Processing, Big Data technologies (such as Hadoop, MapReduce, and Spark), Artificial Intelligence, Constrained Optimization, familiar with at least a subset of multiple computer languages (SAS, SQL, Hive, R, Python, Scala), some knowledge of business fields such as marketing, sales, economics, and finance preferred

Potential Projects: Predictive modeling to support personalization and recommendation engine, text mining of customer voice, optimal matching of product/service and customer need, web usage mining, customer attrition modeling, and advanced software testing

For more details and online application, please visit:

<https://fidelity.taleo.net/careersection/jobdetail.ftl?job=1602379&lang=en>

Methodologist
Dana Farber Cancer Institute

Job ID: 27747
Date Posted: 3/14/2016
Location: 375 Longwood Ave, Boston
Job Family: Research - Laboratory
Full/Part Time: Full-Time
Regular/Temporary: Regular
FLSA Status: Exempt

About Dana-Farber

Located in Boston, Dana-Farber Cancer Institute brings together world renowned clinicians, innovative researchers and dedicated professionals, allies in the common mission of conquering cancer, HIV/AIDS and related diseases. Combining extremely talented people with the best technologies in a genuinely positive environment, we provide compassionate and comprehensive care to patients of all ages; we conduct research that advances treatment; we educate tomorrow's physician/researchers; we reach out to underserved members of our community; and we work with amazing partners, including other Harvard Medical School-affiliated hospitals.

Overview

The Survey and Data Management Core (SDMC) in the Division of Population Sciences at the Dana-Farber Cancer Institute (DFCI) seeks a PhD-level Survey Methodologist with expertise in research and survey design and psychometrics. In conjunction with the members of the SDMC, this individual will collaborate with the faculty and staff of the Dana-Farber/Harvard Cancer Center as a methodological consultant/collaborator on observational, behavioral or clinical outcomes studies.

She or he will provide scientific leadership around research methods for the SDMC and is expected to consult and collaborate with investigators for development of grant applications and study design; interact with clinical investigators and research staff on measurement issues including: sample development, survey/questionnaire design, psychometric evaluation of existing instruments, and development of new instruments. This individual should have advanced skills in quantitative analyses and will be expected to coordinate teaching seminars on methodological topics to faculty and trainees.

Required

- PhD in statistics, quantitative psychology, educational measurement, psychometry, or closely related field, with expertise in survey design and psychometrics
- 2 or more years of experience as an independent investigator or collaborator conducting research involving all aspects of sampling, questionnaire design, implementation and analysis
- Advanced statistical analysis expertise
- Experience writing syntax/code for data manipulation and statistical analysis using one or more software packages, such as SAS, SPSS, Stata, or strong record of collaborative research
- Excellent written & oral communication skills

Preferred:

- Experience in evaluation
- Experience in survey methods
- Experience in mixed methods research

◦Experience working as a consultant or mentor

The successful candidate will also have a strong record of peer-reviewed publications. Academic appointment will be at DFCI as a Research Scientist, with potential for appointment to Harvard faculty. Salary will be commensurate with skills and experience.

Schedule

M-F; 40 hours

How to Apply

Please apply directly online at <http://www.dana-farber.org/Careers/Careers-at-Dana-Farber.aspx>. Click Search Job Openings and use the Job ID number to quickly locate the appropriate job listing. Once you have located the desired job, click on the checkbox in the 'Select' column, and then click the 'Apply Now' button, located at the bottom of the screen.

DFCI Employees please apply directly through PeopleSoft Self Service. Sign on to PeopleSoft and navigate to Main Menu > DFCI Careers.

Equal Employment Opportunity

Dana-Farber Cancer Institute is an equal opportunity employer and affirms the right of every qualified applicant to receive consideration for employment without regard to race, color, religion, sex, gender identity or expression, national origin, sexual orientation, genetic information, disability, age, ancestry, military service, protected veteran status, or other groups as protected by law.

Research Associate/Scientist at CBAR Harvard University

Project and Position Description

The Center for Biostatistics in AIDS Research (CBAR) in the Department of Biostatistics at the Harvard T.H. Chan School of Public Health has an immediate opening for a Research Associate/ Scientist to work on studies being conducted by the Antibacterial Resistance Leadership Group (ARLG). Investigators within CBAR have provided statistical leadership and support for clinical research networks for more than thirty years including infectious disease networks such as: the Adult AIDS Clinical Trials Groups (ACTG), the International Maternal Pediatric Adolescent AIDS Clinical Trials Group (IMPAACT), the Neurologic AIDS Research Consortium (NARC), and the Pediatric HIV/AIDS Cohort Study (PHACS).

The Statistical and Data Management Center (SDMC) for the ARLG Network, consists of the Statistical and Data Analysis Center (SDAC) in the Center for Biostatistics in AIDS Research (CBAR) and Frontier Science & Technology Research Foundation in Boston, MA, as well as a Data Management Center (DMC) located at the Duke Clinical Research Institute (DCRI) in Durham NC.

The SDAC is responsible for the statistical and central data management infrastructure activities of the ARLG. The primary areas of responsibility are supporting the ARLG research agenda with an infrastructure for statistics to facilitate the efficient and optimal design, conduct, interim data monitoring, analyses, and reporting of high quality clinical research studies. This is accomplished by providing an infrastructure and team of highly-experienced statisticians who are knowledgeable in aspects of infectious disease / antibacterial resistance (ID/AR), experienced with clinical research networks, and committed to collaborating with ARLG investigators in developing and managing the ARLG agenda.

The Research Associate/ Scientist will work on statistical strategies for the design, data monitoring, analyses, and reporting of clinical trials and diagnostics studies in the ARLG.

Scientific inquiries can be sent to Scott Evans (evans@sdac.harvard.edu).

Basic Qualifications

Candidates should have a doctoral degree in biostatistics or statistics with interest in clinical trials and diagnostic studies.

A successful candidate will possess: (1) a sound understanding of the basic principles of the design, monitoring, and analyses of clinical trials and diagnostic studies, (2) excellent applied and methodological research skills, (3) interest in problems motivated by research in antibiotic resistance, (4) strong SAS or R programming with simulation abilities, (5) creativity, and (6) effective communication skills with an ability to work with a multi-disciplinary research team of scientists and clinicians.

Research Scientist appointment requires at least two years clinical trials or related applied experience beyond doctorate.

Special Instructions

When applying, please email your CV, cover letter, unofficial copy of Ph.D. transcript, and email contact information for 3 professional references to:

Rachel Sotak, at rsotak@sdac.harvard.edu

Contact Information

Rachel Sotak, Hiring Coordinator
CBAR
Harvard T.H. Chan School of Public Health
651 Huntington Avenue, SPH2 439
Boston, MA 02115

Biostatistician I
Harvard School of Public Health - CBAR

The Center for Biostatistics in AIDS Research (CBAR), an organization within the Harvard T.H. Chan School of Public Health, is responsible for the design, monitoring and statistical analysis of clinical trials and observational studies for several clinical research networks. Investigators within CBAR have provided statistical leadership and support for clinical research networks for more than thirty years including infectious disease networks such as: the Adult AIDS Clinical Trials Groups (ACTG), the International Maternal Pediatric Adolescent AIDS Clinical Trials Group (IMPAACT), the Neurologic AIDS Research Consortium (NARC), and the Pediatric HIV/AIDS Cohort Study (PHACS). The Antibacterial Resistance Leadership Group (ARLG) which is comprised of the Statistical and Data Management Center (SDMC) for the ARLG Network, includes the Statistical and Data Analysis Center (SDAC) in the CBAR and Frontier Science & Technology Research Foundation in Boston, MA, as well as a Data Management Center (DMC) located at the Duke Clinical Research Institute (DCRI) in Durham, NC.

The SDAC is responsible for the statistical and central data management infrastructure activities of the ARLG. The primary areas of responsibility are supporting the ARLG research agenda with an infrastructure for statistics to facilitate the efficient and optimal design, conduct, interim data monitoring, analyses, and reporting of high quality clinical research studies. This is accomplished by providing an infrastructure and team of highly-experienced statisticians who are knowledgeable in aspects of infectious disease / antibacterial resistance (ID/AR), experienced with clinical research networks, and committed to collaborating with ARLG investigators in developing and managing the ARLG agenda.

The position will collaborate with medical researchers and senior statisticians. Duties will include: statistical strategies for the design, data monitoring, and analyses of clinical trials and diagnostics studies; statistical programming and report writing under the mentorship and supervision of senior statistician, in the ARLG. This position will also serve on internal CBAR committees. CBAR provides a strong program for growth and professional development for Master's-level Biostatisticians including a defined career path and opportunities for continuing education and attendance at professional meetings.

PLEASE NOTE: This position has a term appointment of November 30, 2019. In addition to resume and cover letter, please attach unofficial copy of Master's program transcript and email contact information for 3 professional references when applying.

Basic Qualifications:

MA/MS in Biostatistics or Statistics required.

Experience with statistical software required.

Additional Qualifications:

2-year MA/MS program preferred.

SAS or R programming skills preferred.

(1) A sound understanding of the basic principles of the design, monitoring, and analyses of clinical trials and diagnostic studies preferred

(2) Excellent applied statistical skills preferred

(3) Interest in problems motivated by research in antibiotic resistance preferred.

Strong communication skills with an ability to work with a multi-disciplinary research team of scientists and clinicians preferred.

We encourage individuals to also see a full listing of our openings on the Harvard Aspire site and search 'CBAR'.

NOTES:

Additional Salary Information: Harvard offers an outstanding benefits package including: Time Off: 3-4 weeks paid vacation, paid holiday break, 12 paid sick days, 11.5 paid holidays, and 3 paid personal days per year. **Medical/Dental/Vision:** We offer a variety of excellent medical plans, dental & vision plans, all coverage begins as of your start date. **Retirement:** University-funded retirement plan with full vesting after 3 years of service. **Tuition Assistant Program:** Competitive tuition assistance program, \$40 per class at the Harvard Extension School and discounted options through participating Harvard grad schools. **Transportation:** Harvard offers a 50% discounted MBTA pass as well as additional options to assist employees in their daily commute. **Wellness options:** Harvard offers programs and classes at little or no cost, including stress management, massages, nutrition, meditation and complimentary health services. Harvard access to athletic facilities, libraries, campus events and many discounts throughout metro Boston. Join Harvard Chan School to support our mission of health research & education and be a part of the oldest institution of higher learning in the country!

Internal Number: 37859BR

About Harvard School of Public Health - CBAR

The Center for Biostatistics in AIDS Research (CBAR) is a Center at the Harvard School of Public Health whose mission is to foster and conduct statistical scientific activity in clinical trials and other public health research areas in HIV disease, to promote innovative strategies for medical interventions and study design, and to provide education and training relevant to statistical aspects of HIV disease research.

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

Company Information: Harvard T.H. Chan School of Public Health traces its roots to public health activism at the beginning of the last century, a time of energetic social reform. From the start, faculty were expected to commit themselves to research as well as teaching. In 1946, no longer affiliated with the medical school, the School became an independent, degree-granting body.

Today, the Harvard T.H. Chan School of Public Health brings together dedicated experts from many disciplines to educate new generations of global health leaders and produce powerful ideas that improve the lives and health of people everywhere.

We work together as a community of leading scientists, educators, and students to take innovative ideas from the laboratory to people's lives, not only making scientific breakthroughs, but also working to change individual behaviors, public policies, and health care practices.

Position Title: Postdoctoral Research Position in Biostatistics and Biomedical Informatics

Duties and Responsibilities: Two Postdoctoral Research Fellow positions in biostatistics and biomedical informatics are available at Harvard T.H. Chan School of Public Health. The positions involve developing and applying statistical and computational methods for analysis of biomarker cohort studies, large observation studies such as research registry data linked with genomic data, as well as electronic medical records data including narrative data extracted via natural language processing. We seek an individual with strong statistical and computing backgrounds and who has expertise in statistical and machine learning methods for big data. 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, as well as good written and oral communication skills.

Salary Range:

Benefits:

Website: <http://www.hsph.harvard.edu/biostatistics/>

Application Information: Scientific questions regarding this position can be sent to Tianxi Cai at tcai@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 "Cai Biostatistics and Biomedical Informatics Postdoc". Application materials should be sent by email to biostat_postdoc@hsph.harvard.edu.

Contact Email: biostat_postdoc@hsph.harvard.edu

**Assistant Professor of Biostatistics
University of Rhode Island**

Company Information: The University of Rhode Island, Department of Pharmacy Practice, is seeking to hire an Assistant Professor specializing in the area of Biostatistics with appointment to begin of academic year 2016-2017. This position will contribute to the University's Academic Health Collaborative, supporting faculty and students in advancing the University's teaching, research and service activities across health-related disciplines.

Position Title: Assistant Professor of Biostatistics

Duties and Responsibilities: All candidates are expected to demonstrate potential in undergraduate and graduate teaching, mentoring and supervising students, conducting independent and collaborative research and obtaining internal and external research funding. In addition to developing an externally funded research program, this individual will be responsible for teaching courses across the curricula of the College of Pharmacy, the Department of Computer Science and Statistics, and the interdisciplinary Health Studies undergraduate major.

Position Qualifications: *Required qualifications include:*

1. Ph.D. in Biostatistics; or Ph.D. in Statistics with at least 3 years' experience with statistical analysis of health care data; or Ph.D. or equivalent in Health Informatics, Epidemiology or other related field with strong credentials in statistical methodology, awarded by May 2016;
2. Demonstrated proficiency in applying statistical methods to analyze health care utilization data using SAS statistical software;
3. Demonstrated evidence of successful teaching at the college level;
4. Demonstrated evidence of success in research, demonstrated by publication in peer-reviewed journals within the field, or by conference abstracts and presentations;
5. Demonstrated ability to work with diverse groups.

Preferred qualifications include: experience developing and delivering courses in biostatistics; success obtaining funding through competitive granting programs; experience conducting research involving prescription medications and/or pharmacy services; teaching and research experience involving underrepresented and underserved populations; and experience working with administrative data from commercial insurance plans and Medicaid.

Salary Range:

Benefits:

Website: <https://jobs.uri.edu/postings/1218>

Application Information: APPLICATION DEADLINE: Search will remain open until filled. First consideration will be given to applications received by April 29, 2016. Note: only online applications will be accepted. The University of Rhode Island is an AA/EEOD employer. Women, persons of color, protected veterans, individuals with disabilities, and other protected groups members are encouraged to apply.

Contact Email:

Application Deadline: 04/29/2016

Biostatistician III
University of Massachusetts Medical School

Company Information: University of Massachusetts Medical School

Position Title: Biostatistician III

Duties and Responsibilities: GENERAL SUMMARY OF POSITION:

Under the general direction of the department head or designee, the Biostatistician III is responsible for the planning, design, review, programming and implementation of special information systems activities.

Working within the Quantitative Methods Core, you will be part of a team of analysts to provide investigators with clinical research support in biostatistics, experimental design, and data management.

MAJOR RESPONSIBILITIES:

- * Perform the statistical analysis of data, create project statements, and evaluate and implement research designs including but not limited to quantitative and qualitative (experimental and non-experimental) in standard APA format.
- * Instruct and supervise other personnel (data entry clerks, research assistants) in data management including merging
- * and updating existing databases.
- * Collaborate with project staff on the design and analysis of biostatistics aspects of research protocols.
- * Design, develop, and maintain statistical analysis programs for research data. Create SAS/SPSS applications in support of research projects.
- * Participate in the design of questionnaires and interview forms. Analyze data in collaboration with senior statisticians beginning with univariate and multivariate analyses such as logistic regression and factor analysis for research studies.
- * Provide tabular and written summaries of analyses in a form suitable for inclusion in project deliverables as well as media for presentation at project meetings.
- * Coordinate and collaborate with other biostatistics, information technology professionals, and interdepartmental project teams.
- * Interpret and present study results in collaboration with faculty members, epidemiologists, biostatisticians, and project team members.
- * Collect background data for studies from various database sources: summarize findings for presentation at project-related meetings.
- * Prepares non-standard correspondence and minutes that require public scrutiny.
- * Responsible for content expertise and writing selected sections of project final reports; participates in the editing of reports; responsible for the execution and production of presentation-ready final project deliverables.
- * Participates in the oral presentation of all project findings and abstracts including participation in periodic project status meetings and presentation of final project deliverables.
- * Perform other duties as required.

Position Qualifications: REQUIRED QUALIFICATIONS:

- * Master's degree in Biostatistics, Statistics, Epidemiology, or related statistical discipline.
- * 1-3 years health-related research experience (preferably in biostatistics or epidemiology) participating in project management and/or relevant experience in research and evaluation projects. Up to one year of this experience may be concurrent with satisfying degree requirements, but must include scientific research data analysis and database management.
- * Working knowledge of SAS (in particular) and other statistical packages.
- * Strong communication skills, both the oral and written necessary to interact with state and national counterparts, internal and external senior management, project team members and study participants.
- * Ability to travel to off-site locations

Salary Range:

Benefits:

Website: <http://www.Click2Apply.net/8n6zdb4gft>

**Lecturer in Public Health program
UMass Lowell**

Lecturer - Biostatistics & Epidemiology
University of Massachusetts Lowell

The Public Health program at UMass Lowell is committed to academic excellence and diversity within the faculty, staff, and students and seeks a full-time Lecturer with expertise in Biostatistics and Epidemiology. The position requires proficiency and experience to fulfill this role in both the undergraduate and graduate programs in Public Health.

The Public Health program is located within the College of Health Sciences at the University of Massachusetts Lowell. The College of Health Sciences is a dynamic, growing College that prepares professionals and scientists in a wide range of health science fields including applied, clinical and translational areas. A large research program along with vibrant community partnerships and engagement opportunities enrich and support our educational programs.

The Public Health program invites candidates who have experience teaching biostatistics courses at both the undergraduate and graduate levels to apply. Advanced graduate courses in quantitative modeling techniques and graduate and undergraduate courses in epidemiology will also be taught as needed. Additionally, individuals will be engaged in service to the College as required. The primary service component of this position will be to serve as a biostatistics resource for faculty and graduate students across the college. It may also include curriculum development, graduate student admissions, assistance with student recruitment, and supervision of adjunct instructors.

We seek candidates who can contribute to that goal and encourage you to apply and to identify your strengths in these areas. We seek applicants recognized for excellence in teaching, mentoring, and advising as well as exceptional organizational and management skills, ability to work collaboratively with diverse populations, and excellent oral and written communication skills in English.

Minimum Qualifications:

A Doctoral degree in Epidemiology, Biostatistics or closely-related field is required Successful candidates should also have a strong desire to teach a diverse population of graduate and undergraduate students within the College of Health Sciences Strong collaboration skills for working with faculty from a variety of disciplines

Other Considerations:

Demonstrated teaching experience in biostatistics and/or epidemiology at the university/college level is highly desirable Interest in interprofessional education
Excellent oral & written English communications skills

Required Applicant Documents:

Cover Letter

Curriculum Vitae

Evidence of Teaching

Teaching Philosophy

Teaching Evaluations

Names and contact information of three references

Quicklink for Posting: <http://jobs.uml.edu/applicants/Central?quickFind=54775>

Treasurer's report for 2015

Bank details as of March 29, 2016: \$4913.94
Bank accounts: \$4913.94
CDs: \$23,181.32
Total: \$28,095.26

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. If 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/>

Worcester 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
Vice-President, 2016-17	Miriam Chernoff, Harvard T.H. Chan School of Public Health
Secretary, 2016-17	Eugenie Coakley, John Snow, Inc.
Treasurer, 2016-17	Lisa Mukherjee, Consultant
Council of Chapters Representative, 2016-2018	Mingfei Li, Bentley University
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Newsletter Editor, 2015-16	Yan Dong, OPKO Diagnostics
BCASA COMMITTEE CHAIRPERSON	
<i>Mu Sigma Rho</i>	Liam O'Brien, Colby College