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Positions

(1) University of Maryland Baltimore County (UMBC), Department of Mathematics and Statistics: assistant professor (tenure-track)

The Department of Mathematics and Statistics at the University of Maryland Baltimore County (UMBC) invites applications for a tenure-track faculty position in Statistics at the rank of Assistant Professor starting in the Fall of 2018.

The successful candidate should have a PhD in statistics or biostatistics, and is expected to maintain an active independent research program with a strong potential for obtaining external funding, teach graduate and undergraduate courses with a commitment to excellence in teaching, advise undergraduate and graduate students, and contribute to the service component of the department, university, and profession.

The Department offers BS, MS and PhD degrees in applied mathematics and in statistics. For more information, visit our web site. The departmental culture encourages research collaboration, with a strong emphasis to involve undergraduate, as well as graduate students, in the research activities. The department's PhD program also has a biostatistics track, in partnership with University of Maryland's School of Medicine and Greenbaum Cancer Center.

A complete application should include a cover letter, C.V., summary of current research program, teaching statement, three letters of reference, and a personal statement on commitment to diversity and inclusion. All application materials should be submitted at http://apply.interfolio.com/45144. For best consideration, submit application materials by January 31, 2018, (application materials will be accepted until the position is filled).

(2) Medical College of Georgia at Augusta University, Department of Population Health Sciences, Division of Biostatistics and Data Science: faculty positions in biostatistics or data science

The Department of Population Health Sciences in the Medical College of Georgia (MCG) at Augusta University (AU) invites applications for tenure track or tenured faculty positions in at the Assistant, Associate or Full Professor level. Applicants must have a Ph.D. in Biostatistics, Data Science or a closely related field, with background and demonstrated interest in Computational Biology and Big Data. Interest and ability in active collaboration with other investigators in biomedical, population health, and
translational research within and outside of AU will be an important factor in the selection of candidates, as will proactive interest in doctoral teaching and mentoring.

Interested applicants must apply online through the Augusta University Faculty Careers website. Please upload the CV, a brief statement of current and planned research, and names/contact information of at least four professional references. To expedite the review process, they should also e-mail the same information to:

Varghese George, Ph.D., Chair Department of Population Health Sciences
E-mail: VGeorge@Augusta.edu
Phone: (706) 721-0801

Learn more about the department at http://www.augusta.edu/mcg/dphs/biostats/index.php

For information about the Medical College of Georgia: http://www.augusta.edu/mcg/

(3) Örebro University, Sweden: associate senior lecturer (tenure track) in statistics

Örebro University is now investing in 18 career-development positions for promising junior researchers. As an associate senior lecturer, you are offered great opportunities, for a period of 4 years, to acquire further qualifications in both research and teaching, making you eligible for promotion to the position of senior lecturer. The associate senior lecturer position involves research of up to 70% as well as a specially designed development programme with leadership training, courses on teaching and learning in higher education, communication training, and courses on writing funding applications. In addition to having access to existing research infrastructure, the position holders are offered special grants for own research and development. If you have high ambitions within both research and teaching, Örebro University would like to offer you the best conditions for a future career with us.

The position

Duties and responsibilities involve research, teaching and collaboration. During the period of employment, an associate senior lecturer shall develop their autonomy as a researcher and acquire further qualifications in terms of both research and teaching skills to meet the criteria for a position as a tenured senior lecturer. An associate senior lecturer shall also contribute to the University's development.

Duties and responsibilities consist of 70% own research and 30% teaching and administration. The languages of instruction are Swedish and English and teaching may be required at all levels.

In terms of research focus, the person we are looking for is expected to contribute with research on the use of alternative data sources, for example "Big Data", for the production of statistics. For instance, competence within survey methodology, econometrics, time series analysis, biostatistics, machine learning, and big data analysis are considered additional qualifications.

Deadline and further information

The application deadline is January 30, 2018.

Application form and full job advert at www.oru.se/english/working-at-orebro-university/...
(4) University of Minnesota, Division of Biostatistics: post-doctoral associate in statistical genetics/omics and big data

One or two post-doc positions are available now (until filled) in the Division of Biostatistics at the University of Minnesota, Minneapolis, MN, USA. For more info, visit www.sph.umn.edu/academics/divisions/biostatistics

The post-doc will work with Dr. Wei Pan (directory.sph.umn.edu/bio/sph-a-z/wei-pan or www.biostat.umn.edu/~weip) and his collaborators within and outside the University of Minnesota. The research will focus on applying, developing and implementing novel statistical methods for GWAS/sequencing data, and integrative analysis of multiple types of omic/imaging data. The candidate is also encouraged to develop statistical and computational research in analysis of Big Data and deep learning. In addition to new methods development and evaluations, the job responsibilities include software development (mostly in R, or Python for deep learning), simulation studies, real data analysis, and writing manuscripts.

This annually renewable appointment is for two or three years, conditional on satisfactory performance and funding availability.

Qualifications: A PhD degree in Biostatistics, Bioinformatics, Statistics or a related field, strong computing/programming and communication skills, and interest in statistical genetics/genomics or Big Data/deep learning are required. Experience in statistical genetics and/or Big Data/deep learning is preferred, but not required.

For preliminary inquiries, you may send your CV to panxx014@umn.edu

Questions? Inquiries are welcome and should be directed to Dr. Wei Pan by email at panxx014@umn.edu

How to apply?

Go to the website: humanresources.umn.edu/jobs

Then type in Biostatistics, Post-Doctoral Associate, or Job ID 321784 in the search box to locate it.

(5) Dalhousie University: post-doc

Mike Dowd at Dalhousie U. is looking for a post-doc focused in spatio-temporal analysis of the ocean carbon in the Labrador Sea (see attached advertisement for more details). This position is a part of the following project funded by the Ocean Frontier Institute here at Dalhousie University oceanfrontierinstitute.com/research/...

and some general information can be found there.
The Department of Statistics invites applications for teaching, clinical and visiting assistant/associate/full professor positions in Statistics and Data Science (up to 100% for 9 months). Teaching and clinical professorial positions are continuing specialized faculty appointments renewable subject to performance and funding. Visiting positions are for one year. Applicants must have a PhD in statistics, biostatistics, computer science, data science, engineering or related field at time of appointment. Applicants for teaching and clinical faculty positions must demonstrate a commitment to applied or pedagogical research, excellent teaching and professional development of students and professional experience commensurate with the rank being sought. The anticipated starting date is August 16, 2018. Salary is competitive.

To apply, please create your candidate profile at http://jobs.illinois.edu and upload your required documents, including cover letter, curriculum vitae, teaching statement, research statement, up to three sample research papers, optional course evaluations and the names and email addresses (phone numbers are optional) of three professional references. Referees will be contacted electronically within 1-2 business days after submission of the application.

To ensure full consideration, applications must be submitted by March 1, 2018. In your cover letter please state which rank you wish to be considered for. Interviews may take place and offers may be made before the closing date, but all applications received by the closing date will receive full consideration for an open position.

For more information please see the full announcement at: http://go.illinois.edu/statfacultyteach.

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**Funding opportunities and information**

(1) **NSF Director’s Notes**

The January issue of France Córdova’s blog is available at https://mailchi.mp/science360/nsf-directors-notes...

(2) **NIJ Now Accepting Applications for Graduate Research Fellowships in STEM**

NIJ is seeking proposals for innovative doctoral dissertation research in STEM fields. The Graduate Research Fellowship in Science, Technology, Engineering, and Mathematics (GRF-STEM) supports doctoral research relevant to ensuring public safety, preventing and controlling crime, and ensuring the fair and impartial administration of criminal justice in the United States.

Applicant academic institutions sponsoring doctoral students are eligible to apply only if:

1. The doctoral student's degree program is in a science, technology, engineering, or mathematics (STEM) discipline; and,
2. The student's proposed dissertation research has demonstrable implications for addressing the challenges of preventing or controlling crime and/or the fair and impartial administration of criminal justice in the United States.

Applicants must register with Grants.gov.

All applications are due by 11:59 p.m. Eastern Time on March 12, 2018.

Review the solicitation.
Learn more about the program.
Learn how to become an NIJ proposal peer reviewer.

This solicitation is competitive; therefore, NIJ staff cannot have individual conversations with prospective applicants. Any questions concerning the solicitation should be submitted to the National Criminal Justice Reference Service: 1-800-851-3420; TTY at 301-240-6310 (for hearing impaired only); email grants@ncjrs.gov; fax 301-240-5830; or web chat webcontact.ncjrs.gov/ncjchat/chat.jsp. See also NIJ.gov's solicitation FAQ page.

(3) Call for Applications Feb 28th - 2018 Data Science Innovation Lab: Mathematical Challenges of Single Cell Dynamics

The BD2K Training Coordinating Center is organizing an Innovation Lab to foster new interdisciplinary collaborations among quantitative and biomedical researchers to address mathematical challenges in single cell dynamics. The purpose of the 2018 Data Science Innovation Lab is to foster the development of new interdisciplinary teams via a facilitated and mentored format to tackle the technology and mathematical challenges which are creating roadblocks in utilization of single cell multimodal data acquisition, compatibility, and its wider integration.

What: 2018 Data Science Innovation Lab: Mathematical Challenges of Single Cell Dynamics
When: June 25th - 29th, 2018
Where: Bend, Oregon
How: www.bigdatau.org/innovationlab2018
Email: bigdatau@ini.usc.edu
Deadline to apply: Feb 28th 2018

The Innovation Lab process entails participation in an intensive five-day residential workshop in order to facilitate the development of new teams of early-career biomedical and quantitative investigators who generate multidisciplinary cooperative research programs through a real-time and iterative mentoring process. The concept of the Innovation Lab program is to organize intensive multidisciplinary interactions involving around 30 participants, with the aim of developing new and bold approaches to address grand challenge questions for topics that could benefit from a fresh or divergent perspective. Prior knowledge of research at this interface is not required; rather, applicants with either quantitative or biomedical expertise who demonstrate their willingness to engage in collaborative multidisciplinary research are sought. Teams are highly encouraged to develop proposals for submission to funding agencies after the conclusion of the workshop. Professional facilitators and senior scientists (mentors) with relevant expertise and exposure to the topic area assist the participants. The scientific experts serve as mentors and act as impartial referees during the process. Working under the guidance of the
mentors, participants will form teams during the workshop to develop interdisciplinary projects to solve mathematical challenges arising from a biomedical research question involving single cell dynamics.

4) New NSF funding opportunity: Cyberinfrastructure for Sustained Scientific Innovation (CSSI) - Data and Software: Elements and Frameworks

Please see www.nsf.gov/funding/pgm_summ.jsp?pims_id=505505 for details.

Full Proposal Deadline Date: April 18, 2018

Workshops and Conferences

1) Data Privacy Webinar: What is a Privacy Loss Budget and How Is It used to Design Privacy Protection for a Confidential Database?

A FREE webinar featuring:

- John M. Abowd, Chief Scientist and Associate Director for Research and Methodology, U.S. Census Bureau
- Moderator Lars Vilhuber, Cornell University
- Thursday, February 1, 2017, 12:30-1:30 p.m. EST Twitter Hashtag: #ASAwebinar Sponsored by the ASA Privacy & Confidentiality Committee

For statistical agencies, the Big Bang event in disclosure avoidance occurred in 2003 when Irit Dinur and Kobbi Nissim, two well-known cryptographers, turned their attention to properties of safe systems for data publication from confidential sources. The paradigm-shifting message was a very strong result showing that most of the confidentiality protection systems used by statistical agencies around the world were not designed to defend against a database reconstruction attack. Such an attack recreates increasingly accurate record-level images of the confidential data as an agency publishes more and more accurate statistics from the same database. Why are we still talking about this theorem fifteen years later? What is required to modernize our disclosure limitation systems? The answer is recognizing that the database reconstruction theorem identified a real constraint on agency publication systems—there is only a finite amount of information in any confidential database. We can’t repeal that constraint. But it doesn’t help with the public-good mission of statistical agencies to publish data that are suitable for their intended uses. The hard work is incorporating the required privacy-loss budget constraint into the decision-making processes of statistical agencies. This means balancing the interests of data accuracy and privacy loss. A leading example of this process is the need for accurate redistricting data, to enforce the Voting Rights Act, and the protection of sensitive racial and ethnic information in the detailed data required for this activity. Wrestling with this tradeoff staves-down the database reconstruction theorem, and uses the formal privacy results that it inspired to specify the technologies. Specifying the decision framework for selecting a point on that technology has proven much more challenging. We still have a lot of work to do.

Dr Abowd leads a directorate of research centers at the Census Bureau, each devoted to domains of investigation important to the future of social and economic statistics. During the past two years he has led critical work to modernize the Census Bureau’s operations and products. Registration: This webinar is free, but registration is required: https://www.amstat.org/ASA/Education/Web-Based-Lectures.aspx.
(2) Conference on Statistical Learning and Data Science/Nonparametric Statistics

The Conference on Statistical Learning and Data Science/Nonparametric Statistics will be held at Columbia University, NYC, June 4-6, 2018.

Here is the conference website: publish.illinois.edu/sldsc2018

Just a reminder that early registration deadline is Apr. 15th.

For invited speakers, please submit your abstract by Mar 1st.

For junior researchers and students: The contributed poster abstract submission deadline is Mar 1st, 2018 – no one can submit an abstract unless registered.

Submission Method: Please email the abstract to statisticallearninganddatasci@gmail.com

(3) ASA Conference on Statistical Practice

Don’t Miss Out on CSP 2018! There's a Lot Going on This Year ...

Sessions Relevant to Your Work and Career: Learn new statistical methodologies and best practices in statistical analysis, design, consulting, and statistical programming.

View the Online Program

Eight Valuable Short Courses: The day before the conference, CSP 2018 will offer two full-day and six half-day courses on statistical techniques and soft skills that apply to your job or career as an applied statistician.

See the Full Schedule

Keynote: Reflections on Career Opportunities and Leadership in Statistics

Lisa LaVange will recount her experiences from a multi-sector career in statistics and discuss how training and experience prepared her for the different opportunities that came her way.

More About LaVange

Free Career Service:

If you are seeking to start or further your career in statistics or data science, this resource is available to all registered attendees at no charge!
Nearly 400 other statisticians and data scientists like you have noticed how valuable CSP is to their professional growth, and we hope you'll join them this February in Portland!

(4) **2018 Symposium on Data Science & Statistics (SDSS)**

The American Statistical Association and the Interface Foundation of North America are holding the Symposium on Data Science & Statistics (SDSS) in Reston, Virginia on May 16–19, 2018. This will be a yearly event. Information can be found here: [ww2.amstat.org/meetings/sdss/2018/conferenceinfo.cfm](http://ww2.amstat.org/meetings/sdss/2018/conferenceinfo.cfm) and here: [ww2.amstat.org/meetings/sdss/2018/index.cfm](http://ww2.amstat.org/meetings/sdss/2018/index.cfm)

The invited sessions are grouped into six concurrent tracks covering areas such as data science, machine learning, computational statistics, data visualization etc. The short courses include topics such as data munging, machine learning, and data visualization within large computing environments (R, Spark, H2O, and SAS) using platforms such as Docker/Kubernetes, Shiny, Cloudera, and SAS Viya. The short courses and invited talks, as currently developed, are listed here: [ww2.amstat.org/meetings/sdss/2018/onlineprogram/]...

Although most of the sessions are invited, there will also be contributed sessions and e-posters. The deadline for submitting contributed abstracts is next Monday, January, 29, whereas contributed e-posters can be submitted until March 8. See: [ww2.amstat.org/meetings/sdss/2018/submitanabstract.cfm](http://ww2.amstat.org/meetings/sdss/2018/submitanabstract.cfm)

Early registration begins February 1. If you are a student, you should have received an email from ASA concerning the potential for support, but an abstract must be submitted.

(5) **2018 SDSU Data Science Symposium**

The Mathematics and Statistics department at South Dakota State University, Brookings, SD is hosting the first Data Science Symposium. It will be on Feb 11 - 12, 2018. The deadline for registration is coming up soon - Jan 31, 2018.

The symposium will consist of pre-conference workshops, keynote speakers, sessions, and contributed posters, providing a mix of academic and industrial learning opportunities to the region including South Dakota, North Dakota, Minnesota, Nebraska, Iowa and beyond.

Keynote speakers are

- Benson Hsu, MD, MBA, Chief Medical Analytics Officer at Sanford Health
- Steve Cross, Assistant Vice President of Business Analytics, Great West Casualty
All participants can expect to gain a larger perspective of data science through connecting the education, research, and use cases in the industry. By attending you can expand your knowledge, share your experiences, and develop relationships with students, faculty, and companies.

For more details please visit the [Symposium website](#).

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### Awards

No new listings this week

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### Other opportunities or information

#### (1) Call for a new editor for the Journal of Statistics Education (JSE)

We are currently searching for the next Journal of Statistics Education (JSE) editor, and we hope you will consider applying or nominating a colleague (or passing on this call to an interested colleague). The call for nominations and applications is below.

JSE disseminates knowledge for the improvement of statistics education at all levels, including elementary, secondary, post-secondary, post-graduate, continuing, and workplace education. It is distributed electronically and, in accord with its broad focus, publishes articles that enhance the exchange of a diversity of interesting and useful information among educators, practitioners, and researchers around the world. The intended audience includes anyone who teaches statistics, as well as those interested in research on statistical and probabilistic reasoning. All submissions are rigorously refereed using a double-blind peer review process.

The new editor will serve from 2019 through 2021, with the transition beginning in 2018. If you know someone who would be right for the editorship of JSE, please nominate that person by sending that individual's name, email address, and a brief description of this individual's qualifications to [eric@amstat.org](mailto:eric@amstat.org). The search committee will consider your nomination along with others received.

If you would like to personally apply for this position, applications for the editorship should be sent electronically to [eric@amstat.org](mailto:eric@amstat.org), and should include a CV; the names of 3 references; and a letter of interest in the position, including a brief statement of the candidate's vision for the publication, directions the candidate would pursue, and contributions the candidate would make if selected as editor.

The deadline for applications and nominations is **February 9, 2018**.

Please note that the JSE editor must be an active member of the ASA during their term. The JSE editor, working with the editorial coordinator, reviews new submissions and selects papers for review by referees. The editor also prepares new issues and writes decision letters. JSE receives approximately 125 submissions a year and publishes in March, July, and November. The JSE editor receives significant assistance from the Editorial Coordinator, an independent contractor engaged by the ASA.