Caucus of Academic Reps (CAR) Weekly Digest
December 4, 2017

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Positions

(1) University of California, Irvine, Department of Statistics: open rank professor of teaching in statistics, with security equivalent to tenure (or pre-tenure for assistant professor)

The Department of Statistics at the University of California, Irvine (UCI) invites applications for a faculty position as Professor of Teaching. With an emphasis on teaching, this position includes an expectation of research and service contributing to instruction and pedagogy. This position parallels the tenure-track faculty series. The search is open-rank implying that we are inviting applicants at the Assistant (potential security of employment; analogous to pre-tenure) or Associate/Full (security of employment; analogous to tenure) ranks. Applicants are expected to hold a Ph.D. degree in Statistics, Biostatistics or a related field and provide evidence of teaching excellence. This is a full-time faculty position designed for individuals who wish to focus their careers on teaching, professional activities, and University and public service. Professors of Teaching are members of the University of California Academic Senate and have all the usual benefits of Senate membership.

Please refer to the following web site for more information and application instructions: recruit.ap.uci.edu/apply/JPF04221, listed under the Donald Bren School of Information and Computer Sciences.

(2) University of Pennsylvania, Center for Causal Inference: causal inference postdoctoral fellow

The Center for Causal Inference (CCI) is a research center in the Center for Clinical Epidemiology & Biostatistics at the Perelman School of Medicine of the University of Pennsylvania (www.cceb.med.upenn.edu/cci). The CCI is a multidisciplinary center that includes faculty, postdocs, and graduate students from Biostatistics, Statistics, Epidemiology, Criminology, and Neuroscience. The mission of the CCI is to be a leading center for research and training in the development and application of causal inference theory and methods.

This is a postdoctoral fellowship with considerable flexibility in terms of research focus, reflecting the interdisciplinary nature of the field. In particular, the postdoc will have the opportunity to choose methodological projects and research mentor(s). In addition, the postdoc will receive career mentorship from CCI co-directors Dr. Jason Roy and Dr. Dylan Small.

Duties and Responsibilities: develop new theory and methods in causal inference; develop software; and potentially collaborate on applied projects. In addition, the postdoc is expected to be an active member of the CCI, by, for example, participating in the weekly working group meeting and the annual Causal Inference & Big Data Summer Institute.
Position Qualifications: Candidates should have a doctoral degree in biostatistics, statistics, or a related field. Strong computational skills and expertise in causal inference are desired. Start date and term are negotiable.

Position Instructions: Applicants should submit a cover letter, CV, and contact information for three references to Jason Roy (jaroy@pennmedicine.upenn.edu)

(3) Azusa Pacific University: Open rank faculty position

Greetings! With a new Statistics minor and an MS in Applied Statistics and Analytics approved to begin next year, we have exciting new opportunities at APU. The position is particularly ideal for those who are interested in statistics education as teaching is highly valued. Opportunities for leadership and research are available, and the position is open rank (assistant, associate, full professor depending on qualifications).

See the attached flyer for details, or contact me at rodsturdivant@apu.edu if you want more information.

(4) National Science Foundation: Assistant Director, Directorate for Education and Human Resources (AD/EHR)

The National Science Foundation (NSF) is initiating a national search for the Assistant Director for Education and Human Resources (EHR). We seek your assistance in the identification of visionary candidates to lead the Directorate during the coming years. Dr. Joan Ferrini-Mundy served in the position from 2011 through 2016, with Dr. James Lewis serving as the acting Assistant Director since January 2016 as Dr. Ferrini-Mundy accepted the role of Chief Operating Officer of the Foundation. During their tenures, they have worked with EHR colleagues on new initiatives that span formal and informal education from preschool through adulthood, with emphasis on expanding NSF’s investment in research to advance science, technology, engineering and mathematics (STEM) education and workforce development. In particular, EHR has supported efforts to revolutionize STEM education at the undergraduate and graduate levels, including support for Historically Black Colleges and Universities, Tribal Colleges and Hispanic-Serving Institutions. The Directorate also has worked in collaboration with the U.S. Department of Education and the White House Office of Science and Technology on a variety of initiatives. The next Assistant Director will have similar opportunities to shape the future of STEM education and workforce development as well ensure that EHR is a key participant across the Foundation’s science and engineering portfolio.

The Assistant Director, EHR, manages a budget of over $870 million in fiscal year 2017, and a portfolio across four divisions: Graduate Education; Undergraduate Education; Research on Learning in Formal and Informal Settings; and Human Resource Development. Attached is a PDF version of this letter, which includes an information sheet summarizing the Directorate’s activities and the responsibilities of the position, along with the criteria that will be used in the search. Employment may be on a temporary or permanent basis in the Federal Service or by temporary assignment under provisions of the Intergovernmental Personnel Act.

We are very pleased to announce that Dr. Anneila Sargent, a member of the National Science Board, as well as Professor and Vice President for Student Affairs at the California Institute of Technology, will head the search advisory committee. We seek your help in identifying candidates with the following
qualifications: outstanding leadership; a deep sense of scholarship; and a grasp of the issues facing science, technology, engineering, and mathematics research and education. Candidates must also have the ability to serve effectively as a key member of the NSF senior management team, teaming with the NSF Director and other Assistant Directors on cross-directorate activities and interactions with executive and legislative branches of government. When opportunities arise, the candidate must be able to communicate effectively with leaders of business and industry as well as the philanthropic community. Recommendations of individuals from any sector — academic, industry or government — are welcome.

Please send your recommendations, including any supporting information that you can provide, to the AD/EHR Search Committee via e-mail (ehrsrch@nsf.gov) or at the following address: National Science Foundation, Office of the Director, Suite W-19100, 2415 Eisenhower Avenue, Alexandria, VA 22314. We would appreciate receiving your recommendations by Monday, January 22, 2018.

Your assistance in this very important task is appreciated.

(5) Indiana University, Department of Biostatistics: tenure-track faculty position

The Department of Biostatistics is located on the health science campus of Indiana University, in the city of Indianapolis. The campus consists of four health-related professional schools, including Medicine, Nursing, Dentistry, and Public Health. It is the focal point of health science education at Indiana University, and the School of Medicine is the country’s second largest allopathic medical school.

The Department of Biostatistics invites applications for a tenure track faculty position with the rank commensurate with applicant’s qualifications. Duties and responsibilities include methodological research, teaching, and collaborative research. Successful candidates will have ample opportunities to participate in collaborative research projects, in diverse areas of investigation. Expertise in biomedical informatics, precision health, or machine learning would be a plus although all methods research areas will be considered. Our vibrant collaborative environment offers methodological challenges that stimulate innovative statistical ideas. Teaching will be one course per year.

Position Qualifications: Ph.D. degree in Biostatistics or Statistics or PhD in Data Science or Computer Science with experience in health related collaborative research. Successful candidates are expected to have excellent written and oral communication skills.

Salary Range and Benefits: We offer competitive salaries with excellent benefits. Department funds will be made available for professional travel and startup costs within university guidelines.

Application: The position is immediately open. The search will continue until the position is filled. Applications should include CV, research statement, teaching statement, and three letters of reference (sent by reviewers). Please apply at https://indiana.peopleadmin.com/postings/4951.

(6) University of Iowa, Department of Biostatistics: tenured or tenure-track faculty position in clinical trials

The University of Iowa Department of Biostatistics https://www.public-health.uiowa.edu/biostat/ invites applications for a tenured or tenure-track faculty position at the rank of Associate Professor, with research expertise in the area of clinical trials. Exceptional applicants will also be considered at the rank of Assistant Professor. The successful candidate will hold a leadership appointment in the Clinical Trials Statistical and Data Management Center (CTSDMC) http://www.ctsdmc.org/.
The position requires a PhD or equivalent in Biostatistics, Statistics, or a related area, as well as evidence of excellent written and verbal communication skills, and a demonstrated ability to work effectively in an interdisciplinary, collaborative academic environment. The successful candidate will have expertise and experience in the design and conduct of clinical trials, and the statistical analyses of data arising from clinical trials. For a tenured appointment, an established record of achievement in research and teaching is expected, along with a record of extramural funding.

For a complete position description and application procedures, visit https://jobs.uiowa.edu/faculty/view/71994.

(7) Purdue University Department of Statistics: two assistant professor positions

The Department of Statistics at Purdue University seeks to hire two tenure-track Assistant professors to begin in August 2018 in the area of data science and machine learning. Applicants with interests in novel computational and methodological approaches to complex data, as well as applicants with foundational interests in the computational theory for complex data will be considered.

The Department of Statistics offers a stimulating and nurturing academic environment with research programs in a broad-range of areas, including bioinformatics, computational statistics, data science, mathematical statistics, probability, and spatial statistics. These positions will be split between the Department of Statistics (75%) and the Department of Computer Science (25%), joining other faculty with joint appointments in Computer Science or other departments. Further information about the department is available at http://www.stat.purdue.edu.

All applicants should hold a Ph.D. in Statistics or a related field by the time of employment, and be committed to excellence in research and teaching. Salary and benefits are highly competitive. Please visit https://hiring.science.purdue.edu to apply. A background check will be required for employment in this position. Review of applications will begin on December 1, 2017 and will continue until the position is filled. Purdue University's Department of Statistics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their past experiences, current interests or activities, and/or future goals to promote a climate that values diversity, and inclusion.

(8) Johns Hopkins University, Department of Biostatistics; tenure track faculty positions

The Department of Biostatistics at the Johns Hopkins Bloomberg School of Public Health is seeking an outstanding researcher and committed educator with interests in any area of biostatistics or data science to join our tenure track faculty. Candidates should have a PhD or equivalent in statistics, biostatistics, or a comparable field. Rank of appointment will be commensurate with experience. New PhDs and recent postdoctoral fellows are encouraged to apply. As we seek to cultivate a diverse faculty, women and under-represented minorities are particularly encouraged to apply.

Interested applicants should apply online at https://apply.interfolio.com/47577. Please upload the following: cover letter, CV, contact information for three references, a statement of research interests and goals, a teaching statement, and two manuscripts or articles representing your most important work. Application questions should be addressed to Mary Joy Argo, Academic Administrator, at margo@jhu.edu.
In-person interviews are scheduled to commence in January 2018.

(9) University of Manitoba, Faculty of Science: assistant professor in statistics and microbiology

Position # 24885

The Department of Statistics and the Department of Microbiology invite applications for a joint, full-time, tenure-track position at the Assistant Professor level, commencing July 1, 2018, or on a date mutually agreed upon. The Departments seek an emerging scholar with a commitment to excellence in interdisciplinary teaching and research. Outstanding candidates in any area integrating Statistics and Microbiology will be considered, with particular emphasis on candidates who will complement or extend the faculty’s strengths in interdisciplinary problems relating to bioinformatics or phylogenetic analysis, or research related to host-microbe interactions, ‘omics level analyses of populations or communities of microbes.

The successful candidate will have a Ph.D. in microbiology/biology or statistics/mathematics or a related field, with research that spans the disciplines of microbiology and statistics. Post-doctoral experience is preferred. Duties will include undergraduate teaching, graduate teaching and supervision, research, including the establishment of an externally funded research program, and service-related activities. The successful candidate will have a track record of high quality scholarly research leading to peer assessed publications; will either have, or demonstrate the potential to establish, an independent, innovative, scholarly, externally fundable research program; will have demonstrated strength in or strong potential for outstanding teaching contributions; and will exhibit evidence of the ability to work in a collaborative environment. Salary will be commensurate with experience and qualifications.

To enhance our departments and create role models for a diverse population of students, we particularly invite application from those who can support and enhance our diversity, including women, Indigenous peoples, other visible minorities, and those committed to a diverse environment.

Information about the departments can be obtained from <umanitoba.ca/science/statistics> and <http://www.sci.umanitoba.ca/microbiology>.

Applications including a curriculum vitae, a description of teaching philosophy (and evidence of high quality teaching if available), a summary of research interests (highlighting interdisciplinary aspects), and a three-page research plan should be sent to <stats_dept@umanitoba.ca> (a single PDF file is preferred). Please ensure to specify position number 24885 in the application. The applicant should also arrange to have three reference letters sent directly to the above email address. For further information contact the Search Committee Chairs at Ligun.Wang@umanitoba.ca (Statistics) and Deborah.Court@umanitoba.ca (Microbiology). The closing date for receipt of applications is January 31, 2018. Application materials, including letters of reference, will be handled in accordance with the Freedom of Information and Protection of Privacy Act. Please note that curricula vitae may be provided to participating members of the search process.

(10) University of Georgetown Department of Mathematics and Statistics: Director of Graduate Studies

The Department of Mathematics and Statistics seeks to hire a new Director of Graduate Studies. Details are provided here.
Funding opportunities and information

(1) NSF: Resource Implementations for Data Intensive Research in the Social, Behavioral and Economic Sciences (RIDIR)


As part of NSF’s Harnessing the Data Revolution (HDR), the Directorate for Social, Behavioral and Economic Sciences (SBE) seeks to develop user-friendly large-scale next-generation data resources and relevant analytic techniques to advance fundamental research in SBE areas of study. Successful proposals will, within the financial resources provided by the award, construct such databases and/or relevant analytic techniques and produce a finished product that will enable new types of data-intensive research. The databases or techniques should have significant impacts, either across multiple fields or within broad disciplinary areas, by enabling new types of data-intensive research in the SBE sciences.

Cognizant Program Officer(s):

Please note that the following information is current at the time of publishing. See program website for any updates to the points of contact.

- John E. Yellen (SBE/BCS), telephone: (703) 292-8759, email: jyellen@nsf.gov
- William Badecker (SBE/BCS), telephone: (703) 292-5069, email: wbadecke@nsf.gov
- Sara Kiesler (SBE/SES), telephone: (703) 292-8643, email: skiesler@nsf.gov
- Joseph Whitmeyer (SBE/SES), telephone: (703) 292-7808, email: jwhitmey@nsf.gov

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time):

- February 28, 2018
- February 25, 2019

(2) NSF: Smart and Connected Communities (S&CC)


Letter of Intent Due Date(s) (required) (due by 5 p.m. submitter's local time): January 30, 2018

Full Proposal Deadline(s) (due by 5 p.m. submitter's local time): February 28, 2018

Synopsis of Program:

Communities in the United States (US) and around the world are entering a new era of transformation in which residents and their surrounding environments are increasingly connected through rapidly-changing intelligent technologies. This transformation offers great promise for improved wellbeing and prosperity, but poses significant challenges at the complex intersection of technology and society. The goal of the NSF Smart and Connected Communities (S&CC) program solicitation is to accelerate the creation of the scientific and engineering foundations that will enable smart and connected communities to bring about new levels of economic opportunity and growth, safety and security, health
and wellness, and overall quality of life. This goal will be achieved through integrative research projects that pair advances in technological and social dimensions with meaningful community engagement.

For the purposes of this solicitation, communities are defined as having geographically-delineated boundaries—such as towns, cities, counties, neighborhoods, community districts, rural areas, and tribal regions—consisting of various populations, with the structure and ability to engage in meaningful ways with proposed research activities. A "smart and connected community" is, in turn, a community that synergistically integrates intelligent technologies with the natural and built environments, including infrastructure, to improve the social, economic, and environmental well-being of those who live, work, or travel within it.

A proposal for an S&CC Integrative Research Grants must include the following:

- Integrative research that addresses the technological and social dimensions of smart and connected communities;
- Meaningful community engagement that integrates community stakeholders within the project;
- A management plan that summarizes how the project will be managed across disciplines, institutions, and community entities; and
- An evaluation plan for assessing short-, medium-, and long-term impacts of the proposed activities.

S&CC is a cross-directorate program supported by NSF’s Directorates for Computer and Information Science and Engineering (CISE), Education and Human Resources (EHR), Engineering (ENG), Geosciences (GEO), and Social, Behavioral, and Economic Sciences (SBE). Awards may be requested for total budgets ranging from $750,000 to $3,000,000 for periods of up to four years.
Early Registration Discount Ends Thursday, November 30

Practitioners, methodologists, health services researchers, health economists, and policy analysts come to ICHPS every two years to exchange and build upon ideas they will disseminate to the broader health policy community.

The ten workshops are a particularly valuable—and popular—part of the conference, so be sure to browse the online program now and register early before your preferred workshop fills up!

Explore the ICHPS 2018 Program

The theme for ICHPS 2018, the 12th International Conference on Health Policy Statistics, is:

Health
Statistical Science
Care | Policy | Outcomes

ICHPS 2018 offers workshops, concurrent sessions, poster sessions, and networking opportunities for statistics professionals involved in health services, policy, and outcomes research, and we hope you'll join us in Charleston to be part of it.

Just remember, if you want to save your spot and save on registration, you'll want to register soon. The early registration deadline is Thursday, November 30, and some of the workshops are filling up.

Learn More  Register Early to Save!

(2) JSM 2018 Contributed Paper Abstracts and Topic Contributed Session Proposals

JSM2018  Vancouver, British Columbia, Canada
July 28-August 2
Be a Part of the JSM Program!

Submit an Abstract* or Topic-Contributed Session Proposal Today

The JSM 2018 program committee is soliciting proposals for topic-contributed sessions. These sessions include both papers and panels.

The deadline for topic-contributed proposal submission is January 11, 2018.

The committee is also accepting abstracts for:
- Papers
- Posters
- Speed Sessions

The abstract deadline is February 1, 2018.

*To provide a complete program for everyone, presenters are asked to register for JSM when submitting an abstract. Registration for program participants will be open until February 1, 2018. General registration for conference attendees and add-on (roundtable discussions, speaker luncheons, professional development offerings, or the Career Service) registration will open May 1, 2018.

(3) European Causal Inference Meeting in Florence April 11-13

We are pleased to announce that after five successful editions of the UK-CIM, the first European Causal Inference Meeting (EuroCIM) will take place in Florence, Italy, in 2018. Conference dates are Wednesday April 11 to Friday April 13 2018, with pre-conference short courses being offered on Tuesday April 10 2018.

The EuroCIM 2018 is organized by the Department of Statistics, Computer Science, Applications (DiSIA) and ARCO of the University of Florence, Italy.

The meeting will be focused on "Causal Inference in Health, Economic and Social Sciences" and will include keynote addresses from:
- Donald Rubin (Harvard University)
- Vanessa Didelez (University of Bremen)
• **Michael Hudgens** (University of North Carolina)

The conference will also feature short presentations and a poster section that will give researchers and practitioners the opportunity to show their work.

Moreover, on April 10 2018 four workshops will be offered:

Full day workshop:
• Workshop A – **Daniel Rhian** (Cardiff University) – Topic: Causal Inference for Newcomers

Three-hour workshops:
• Workshop B - **Johannes Textor** (Radboud University Medical Center – Topic: DAGitty
• Workshop C – **Fabrizia Mealli** (University of Florence) – Topic: Principal Stratification
• Workshop D - **Guido Imbens** (Stanford Graduate School of Business) – Topics: Machine Learning and Causal Inference

For more info on the meeting, the fees, how to register and submit an abstract please visit: [http://eurocim2018.arcolab.org/](http://eurocim2018.arcolab.org/)

For enquiries about EuroCIM2018 please email [info@eurocim2018.arcolab.org](mailto:info@eurocim2018.arcolab.org)

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**Awards**

(1) **SRMS is seeking applicants for the 2018 JSM Student Travel Awards**

The Survey Research Methods Section (SRMS) of the American Statistical Association offers a Student Travel Award for students in any terminal degree program (bachelors, masters, or doctoral) in the area of statistics, survey methodology, or allied survey research disciplines. Support is offered for students to attend the Joint Statistical Meetings, to be held in Vancouver, British Columbia from July 28 to August 2, 2018.

Preference is given to students presenting a paper or poster at the conference. In addition, applications must be supported by a current member of the SRMS. Winners are expected to attend JSM sessions and the SRMS Business meeting to be recognized by our section. Awards of $825 each are for conference expenses plus membership in the ASA and SRMS. Note, previous SRMS student travel award winners and student paper competition winners are not eligible for this award.

Application forms are available at [ww2.amstat.org/sections/srms/travelapp_2018.pdf](http://ww2.amstat.org/sections/srms/travelapp_2018.pdf) Deadline for applications is December 15, 2017. If you have any questions, please contact Steven Pedlow at pedlow-steven@norc.uchicago.edu.

(2) **Gertrude Cox Award**

The Gertrude M. Cox Award Committee is seeking nominees for the 2018 Gertrude M Cox Award.
• In memory of Dr. Cox (1900-1978), one of the founders of modern statistics, President of the American Statistical Association (1956)
• In recognition of early- to mid-career statisticians who have made significant contributions to areas of statistics in which Dr. Cox worked
• Sponsored by the Washington Statistical Society and RTI International

washstat.org/awards/cox_award_2018.html

The award was established in 2003 through a joint agreement between the Washington Statistical Society (WSS) and RTI International. The award annually recognizes a statistician in early to mid-career (less than 15 years after terminal degree) who has made significant contributions to one or more of the areas of applied statistics in which Gertrude Cox worked: survey methodology, experimental design, biostatistics, and statistical computing.

The award is presented at the WSS Annual Dinner, usually held in June, with the recipient delivering a talk on a topic of general interest to the WSS membership before the dinner.

Please email your nominations to Karol Krotki (kkrotki@rti.org) by 28 February, 2018 with a supporting statement and cv (or link).

If you have previously nominated a candidate and you wish that nomination to be reconsidered, we strongly encourage an update of the supporting materials.

Other opportunities or information

(1) Veterinary journal seeks statistical reviewers

The Journal of the American Veterinary Association and American Journal of Veterinary Research are peer-reviewed association published journals. They have a call for experienced statistical reviewers. Any interested parties are encouraged to send an email to Ms. Merri Benney (mbenney@avma.org) or, if they have questions, they can contact Merri at 800-248-2862, ext 6752.

More info about the journals can be found at the following URL's:
avmajournals.avma.org/loi/ajvr
avmajournals.avma.org/loi/javma

Please feel free to forward to any colleagues with a specialty in veterinary medicine.