



Caucus of Academic Reps (CAR) Weekly Digest April 9, 2018

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Positions

(1) University of Florida, Department of Statistics: Postdocs available

The Department of Statistics at the University of Florida has several postdoctoral positions open for projects in Bayesian causal inference and missing data to begin August 2018 under the supervision of Dr. Mike Daniels. Projects will focus on solving hard problems in causal inference and missing data using Bayesian nonparametric methods.

Position Qualifications: Seeking a highly motivated individual with a Ph.D. degree in statistics/biostatistics or related quantitative fields. Must have strong methodology training in statistics/biostatistics; strong programming skills, in particular R/Matlab and possibly one lower level computer language such as C or Fortran; interest in statistical methodology research. Interest or background in Bayesian nonparametrics, causal inference, or missing data is preferred. Expertise or skills in any of the following areas are desirable: Bayesian MCMC computations; Variable selection and sparsity priors; Models for longitudinal data.

Apply at: <http://explore.jobs.ufl.edu/cw/en-us/job/506681/postdoctoral-associate>

(2) Postdoctoral Fellowship in Biostatistics in Canada

Applications are invited for a postdoctoral fellowship in biostatistics, with specific emphasis on correlated data (mixed models) with applications in infectious diseases. *In particular, the successful candidate will develop novel statistical models to simultaneously study multiple infectious disease outcomes and analyze related infectious disease datasets.* The position will be based at the Department of Statistics and Actuarial Science at the University of Waterloo or the Department of Community Health Sciences at the University of Manitoba, depending on the suitability of each of these locations as determined through discussions with the candidate. The successful candidate will work under the supervision of Professor Charmaine Dean (<https://uwaterloo.ca/statistics-and-actuarial-science/people-profiles/charmaine-dean>) and Professor Mahmoud Torabi (<http://home.cc.umanitoba.ca/~torabi/>).

The successful applicant will have a PhD in Bio/statistics, or a related field. He/she will have strong skills in statistics, computing and mathematical modeling, and a demonstrated record of research. This position is partly supported by the recent funded project from Canadian Statistical Sciences Institute-Collaborative Research Team (CANSSI-CRT) entitled "Spatial Modeling of Infectious Diseases: Environment and Health".

The salary is based on applicant's qualification and will be competitive.

The position will ideally commence on or before September 1, 2018. It is a one year position with possible renewal for second year subject to progress on the research. To apply, send by e-mail (Mahmoud.Torabi@umanitoba.ca) with "Postdoc" in the subject field of the message: (1) letter of interest, (2) curriculum vitae, and (3) the names and contact information of three references. Screening of applications will begin immediately and will continue until the position is filled. All applicants are

thanked in advance; only those selected for further consideration will receive information about the interview process.

(3) USC-San Diego: postdocs

The Alzheimer's Therapeutic Research Institute (ATRI) of the University of Southern California in San Diego is seeking four postdoctoral scholars in biostatistics. The research includes the development and application of statistical methods for high dimensional longitudinal data, with emphasis on image analysis, biomarkers, assessments, and genetics of Alzheimer's and other neurodegenerative diseases. Potential methodological areas include multilevel generalized linear models, hierarchical Bayesian models, functional, spatial, and manifold-valued data. Potential scientific applications include predicting disease course and treatment response, and clinical trials design.

Apply here <https://keck.usc.edu/atri/job-opportunities/>

For any questions, please contact:

Michael C Donohue, PhD
Associate Professor of Neurology
Associate Director of Biostatistics
Alzheimer's Therapeutic Research Institute (ATRI)
Keck School of Medicine of USC
University of Southern California

(4) University of Rochester, Department of Biostatistics and Computational Biology : Postdoctoral Fellowship in Environmental Health Biostatistics

The Department of Biostatistics and Computational Biology at the University of Rochester (UR) announces an opening for a postdoctoral traineeship in Environmental Health (EH) Biostatistics, funded by an NIEHS T32 training grant. The appointee will develop and apply novel statistical methodology for projects related to EH, under the mentorship of Dr. Sally W. Thurston and/or another Biostatistics faculty trainer. The specific methodological focus may be based in part on the trainee's interests, and will involve co-mentorship from a leading environmental health researcher. Examples of EH topics include studies of (a) the associations between air pollution exposure and biomarkers thought to indicate increased risk of future cardiac events; (b) effects of pre- and post-natal mercury exposure from fish consumption on multiple outcomes in childhood and adolescence; and (c) RNA sequencing to quantify the effect of dioxin exposure on CD8+ T-cell gene expression accounting for an unknown mixture of responders and non-responders. Methodological expertise among T32 faculty trainers includes Bayesian MCMC methods, models for multiple outcomes, latent variable models, measurement error, missing data, causal inference, survival analysis, clustering, statistical genomics, methods for gene regulatory networks, and bioinformatics. The appointee will also receive training in advanced biostatistics and in toxicology, and be involved in other collaborative work with EH researchers. For more information see www.urmc.rochester.edu/biostat/training-grant.aspx.

Position qualifications: In accordance with NIEHS requirements, trainees must be a US citizen or permanent resident, and must have completed a doctoral degree in statistics or a related subject by the appointment start date. We seek a highly motivated candidate with a strong statistical background,

excellent programming skills and good communication, ideally with experience in Bayesian MCMC computation.

Appointment: The position is available for 12 months initially with the possibility of renewal for a second year. We anticipate a July 1, 2018 start date, but seek the best candidate even if the start date is delayed. Applications received by May 5, 2018 will be given full consideration.

To apply: A cover letter describing research experience, a current CV and contact information for three references should be sent by email to Sally_Thurston@urmc.rochester.edu (please reference "NIEHS postdoctoral position" in the subject line).

(5) College of William and Mary, Virginia Institute of Marine Science: Environmental Statistician, Assistant or Associate Professor

The Virginia Institute of Marine Science (VIMS)/School of Marine Science of the College of William and Mary invites applications for a tenure-eligible Assistant or Associate Professor. This is a full-time faculty position with rank and tenure status determined upon review of candidate credentials. The position will begin in Fall 2018.

Qualifications: The successful candidate will hold an earned doctorate (Ph.D.) in statistics, biostatistics, environmental statistics or related field at the time of appointment. Applicants with research interests in the development and application of statistical methodologies in marine science, environmental science, or ecology, in areas such as analysis of spatio-temporal data, geostatistics, Bayesian methods, ecoinformatics, hierarchical and linear modeling, multivariate analyses, computational methods for large data sets, forecasting approaches and experimental or sampling design, will be considered. We are particularly interested in applicants that have experience in teaching and statistical consulting within the fields of environmental science, ecology, marine science or related disciplines. Excellence in teaching and strong communication skills are expected. We seek applicants who share VIMS' commitment to the principle that diversity and inclusion are critical to maintaining excellence.

Responsibilities: Annual teaching responsibilities will include an introductory graduate level statistics course and two advanced courses, primarily for graduate students pursuing degrees in marine science. The successful candidate will collaborate on scientific research and synthesis with faculty of VIMS, and provide statistical support to students, faculty and staff. Development of independent lines of research and extramural funding will be encouraged.

Application materials for the position should include: 1) a cover letter describing professional education, experience, and suitability for the position; 2) a full curriculum vitae; 3) a statement on teaching philosophy, research interests and consulting experience, and how the applicant's background, experience and vision fit in an institution that is committed to diversity and inclusion (3 pages maximum), and 4) the names, addresses (including titles and institutions), email addresses, and telephone numbers of five references.

Application materials should be addressed to: Dr. Linda Schaffner, Search Committee Chair, and will be accepted through our On-Line Application System at <http://jobs.wm.edu>. For full consideration, application materials are due May 25, 2018. Applications received after the due date will be considered if needed. More Info: <https://jobs.wm.edu/postings/31252>

(6) University of Rhode Island, Department of Computer Science and Statistics: assistant professor

The Department of Computer Science and Statistics in the College of Arts and Sciences (A&S) at the University of Rhode Island invites applications for a tenure-track Assistant Professor of Statistics position with appointment to begin the academic year 2018-2019.

DUTIES AND RESPONSIBILITIES:

The selected candidate for this position will be expected to teach a variety of undergraduate and graduate courses in statistics, develop new statistics classes at the undergraduate and graduate level, keep an active research program, seek external funding, advise and supervise graduate students in statistics or related fields (through joint supervisions), participate in service activities and provide consulting services to students and other faculty in the Department, College and University.

REQUIRED QUALIFICATIONS:

- Ph.D. with a concentration in statistics, biostatistics or closely related fields (degree must be earned prior to 31 August 2018).
- Demonstrated ability to conduct academic research and publish in peer-reviewed journals.
- Demonstrated ability and interest in teaching graduate and/or undergraduate courses in statistics.
- Demonstrated ability to develop and maintain a collaborative and internally/externally funded research program in statistics and/or related fields.
- Demonstrated ability to work with diverse groups/populations.
- Demonstrated interpersonal communication skills.
- Good command of written and spoken English.

PREFERRED QUALIFICATIONS:

- While all areas of methodological and applied research in statistics or related fields will be fully considered, statisticians with research interests in areas such as Bayesian methods, functional data analysis, dimension reduction methods, large dataset analysis, multilevel modeling, metaanalysis, environmental statistics or social statistics are especially encouraged to apply.
- Demonstrated ability to help build applied undergraduate and graduate statistics, analytics, data science, and/or informatics programs.
- Demonstrated ability and/or experience advising and/or mentoring students.
- Demonstrated interest in developing collaborative research and/or consulting to support the interdisciplinary nature of programs within the Department and the University as a whole.
- Demonstrated commitment and/or interest to participate in service and outreach committees.

ALL REQUIREMENTS ARE SUBJECT TO POSSIBLE MODIFICATION TO REASONABLY ACCOMMODATE INDIVIDUALS WITH DISABILITIES.

APPLICATION DEADLINE

This is an open until filled search. First consideration will be given to applications received by April 20, 2018. Second consideration may be given to applications received by May 20, 2018. Applications received subsequent to second consideration date (May 20, 2018) may not be given full consideration.

SPECIAL INSTRUCTIONS FOR APPLICANTS

Applications must be submitted directly online only at: <http://jobs.uri.edu/postings/3234>

Please attach the following 4 (PDF) documents to your online Faculty Profile Application:

- Cover letter including a description of how your qualifications match the requirements for the position.
- Curriculum Vitae that includes your research interests, education history, a list of publications and awards, a list of courses taught or assisted, titles of conference presentations, consulting experience, and mentoring/advising experience (as one complete document).
- Teaching statement (limited to two pages) and teaching evaluations (if applicable) as a single document.
- Research statement (limited to three pages) as one complete document.

In addition, please ask 3 referees to send a letter of recommendation by email to: Statistics Search Committee Chair, Department of Computer Science and Statistics, URI, Email: searchcss@etal.uri.edu

(7) North Carolina State University, Department of Statistics: Lecturer

The Department of Statistics at NCSU is seeking a lecturer to start in August. Please find the attached job description and contact Brian Reich if you have any questions.

jobs.ncsu.edu/postings/98751

Funding opportunities and information

(1) NSF Dear Colleague Letter: Achieving New Insights through Replicability and Reproducibility

See the letter at www.nsf.gov/pubs/2018/nsf18053/...

(2) NSF: Dear Colleague Letter: Advancing Long-term Reuse of Scientific Data

See the letter at <https://nsf.gov/pubs/2018/nsf18060/...>

(3) NSF: Accelerating Discovery: Educating the Future STEM Workforce (AD)

Please see www.nsf.gov/funding/pgm_summ.jsp?pims_id=505552 for details.

Full Proposal Window: April 2, 2018 - January 16, 2019

(Proposals received by July 2, 2018 will be considered for FY 2018 funding.)

(4) NIH: various solicitations

- **New Solicitation: Research and Evaluation on Trafficking in Persons**

With this solicitation, NIH continues to build upon its research and evaluation efforts to better understand, prevent, and respond to trafficking in persons in the United States. Applicants should propose research projects that – first and foremost – have clear implications for criminal justice policy

and practice in the United States. As such, this solicitation supports the U.S. Department of Justice's priority to combat human trafficking.

This year, NIJ is particularly interested in research responding to the following priority areas:

- Building knowledge of the victim/offender overlap specific to sex or labor trafficking.
- Building knowledge of the "grooming" process of traffickers (i.e., how one becomes a trafficker).
- Evaluation of demand reduction efforts.
- Evaluation of legal responses to human trafficking.

All applications are due by 11:59 p.m. Eastern Time on May 22, 2018.

[Review the solicitation.](#)

Applicants must [register with Grants.gov](#) prior to submitting an application.

- **New Solicitation: Forensic DNA Laboratory Efficiency Improvement and Capacity Enhancement Program**

The EI&CE program awards funding to eligible entities, through a competitive application process with three program objectives:

- Enhancing the capacity and increasing the efficiency of crime laboratories to process, record, screen, and analyze DNA and other forensic evidence
- Decreasing the turnaround time to process and analyze DNA evidence.
- Ensuring continued support for enhancing the quality of DNA analysis results.

All applications are due by 11:59 p.m. Eastern Time on May 7, 2018.

[Review the solicitation.](#)

Applicants must [register with Grants.gov](#) prior to submitting an application.

- **New Solicitation: DNA Capacity Enhancement and Backlog Reduction Program (Formula)**

NIJ is seeking applications for the FY 2018 DNA Capacity Enhancement and Backlog Reduction (CEBR) program.

This program furthers the Department's mission by funding States and units of local government with existing crime laboratories that conduct DNA analysis to process, record, screen, and analyze forensic DNA and/or DNA database samples, and to increase the capacity of public forensic DNA and DNA database laboratories to process more DNA samples, thereby helping to reduce the number of forensic DNA and DNA database samples awaiting analysis.

All applications are due by 11:59 p.m. Eastern Time on May 7, 2018.

[Review the solicitation.](#)

Applicants must [register with the OJP Grants Management System](#) prior to submitting an application.

- **New Solicitation: Criminal Justice Testing and Evaluation Consortium**

With this solicitation, NIJ seeks applications for funding to establish a Criminal Justice Testing and Evaluation Consortium. The consortium will inform NIJ's R&D efforts, as well as, NIJ's stakeholders – criminal justice practitioners, policymakers, researchers, federal partners, and private industry by:

- conducting technology foraging activities to identify technologies for potential use by criminal justice communities;
- conducting characterization/comparative testing and evaluations on technologies and practices to disseminate information and/or promising practices for adoption;
- administering the NIJ Compliance Testing Program (CTP); and
- supporting the development, validation, and maintenance of criminal justice equipment standards.

All applications are due by 11:59 p.m. Eastern Time on May 29, 2018.

[Review the solicitation.](#)

Applicants must [register with Grants.gov](#) prior to submitting an application.

- **New Solicitation: Criminal Justice Requirements and Resources Consortium**

NIJ is seeking applications for funding two distinct but complementary activities:

- Identifying and assessing the highest priority needs of criminal justice communities (i.e., law enforcement, courts, and corrections), along with potential solutions to those needs); and
- The administration of activities that encourage practitioner-led research and evaluation that will improve criminal justice policy and practice, and will support the professional development of research-minded practitioners such as the Law Enforcement Advancing Data and Science (LEADS) programs.

All applications are due by 11:59 p.m. Eastern Time on May 29, 2018.

[Review the solicitation.](#)

Applicants must [register with Grants.gov](#) prior to submitting an application.

Workshops, Webinars and Conferences

(1) 16th Annual ASA CT Chapter Mini-Conference: Adaptive Design and Intervention with Application to Clinical Trials

On April 19, 2018 (9:30am-4pm), we will have our annual mini-conference. This year's conference is on the topic of "Adaptive Design and Intervention with Application to Clinical Trials". The venue will be Pfizer Groton Facility (558 Eastern Point Rd, Groton, CT). You may register for the conference [here](#).

The registration fees are \$75 for CT chapter members, \$100 for non-members, and \$25 for students.

Please see the attached flyer for a detailed schedule, including speakers and talks, as well as driving/parking information.

If you have any questions, please contact Huaming Tan (huaming.tan@pfizer.com).

(2) Apply to present your work at the 2018 International Association of Crime Analysts Conference

The NIJ Research Track at the International Association of Crime Analysts Conference is hosting a call for presentations to feature innovative research at the conference on September 17–21, 2018, in Newport Beach, California.

NIJ is looking for your best ideas that present the innovative use of geographic information systems and spatial data analysis for research, policy evaluation or development, or testing theory that has practical applications.

Selected applicants will be reimbursed by NIJ for per diem, conference fees, lodging and domestic travel.

The deadline for submissions is April 13, 2017.

[Submit an application here.](#)

Awards

No new listings this week.

Other opportunities or information

(1) ASA Salary Survey

The salary survey results will appear in the May issue of Amstat News, but for an advance viewing of them, go to <http://www.amstat.org/asa/files/pdfs/YCR-2017-2018-AcademicSalaryReport.pdf>.

(2) Save the Date! Diversity Mentoring Program, JSM Vancouver, July 29 – August 1, 2018

The JSM Diversity Mentoring Program brings minority graduate and undergraduate students, post-doctoral scholars, and junior professionals together with senior-level statisticians and faculty in academia, government, and the private sector in a structured program at the annual Joint Statistical Meetings. The program provides career information, mentoring, and a peer network to participants. Program activities will include small group discussions and one-on-one meetings between mentor-protégé pairs.

Register online at: <http://community.amstat.org/cmisp/events/dwmp/dmp2018>. For more information, please contact: Dr. Dionne Swift at swift.dp@pg.com. This program is sponsored by the American Statistical Association and the ASA Committee on Minorities in Statistics.