



Caucus of Academic Reps (CAR) Weekly Digest March 5, 2018

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Positions

(1) USC Race and Equity Center: Quantitative Survey Analyst/Statistician

The Race and Equity Center unites University of Southern California scholars who do research on important topics pertaining to racial equity in the United States and abroad. The Center's strength resides in its interdisciplinarity – professors from various academic schools and departments across the USC campus work together as affiliates. Center staff and more than 100 faculty affiliates collaborate on funded research projects, events and a range of creative activities, evaluation and consulting opportunities, and the production of timely research reports that include useful implications for policy and practice. Principally, the Center aims to illuminate, more deeply understand, and ultimately eradicate racial injustice and inequities. The Center is home to the National Assessment of Collegiate Campus Climates (NACCC).

The USC Race and Equity Center is searching for a highly-qualified quantitative survey analyst/statistician for the NACCC: <http://bit.ly/naccstatistician>

(2) University of Missouri Biostatistics & Research Design Unit and Department of HMI: biostatistician (non-tenure track)

The Biostatistics & Research Design Unit and Department of Health Management and Informatics in the School of Medicine (SOM) have an immediate opening for a non-tenure track Open Rank (Assistant/Associate/Full) Research Professor. A doctorate in Statistics or Biostatistics is required as well as a strong interest in biomedical research and excellent communication skills. It is essential that the candidate have an interest in collaborative research and consultation in the health sciences. Due to the broad range of research interests in the SOM, collaboration may require expertise or a willingness to acquire expertise in diverse areas such as longitudinal modeling, experimental design, survival analysis, psychometrics, or bioinformatics.

To apply for this position, please visit the MU website at: erecruit.umssystem.edu/psp/tamext/COLUM/HRMS/c/...

Funding opportunities and information

(1) Statistical engagement with the City of Eugene, Oregon

The City of Eugene seeks proposals for a Fossil Fuels Needs Assessment for Lane County, Oregon. The project area encompasses the Central and Coastal county regions. The area is historically susceptible to 8.0 to 9.0 magnitude earthquakes along the Cascadia Subduction Zone (CSZ). With the severity of expected damage to Oregon's fuel infrastructure it is unknown how long it will take to restore this critical fuel supply.

Using predictive analytics, or statistical modeling, this project is expected to identify emergency fuels needs for the project area. To include weekly burn rates; estimated burn rates during a twenty-four hour per day, seven days per week for response and recovery operations and likelihood of local fuel storage functionality. The City of Eugene will provide any needed records or data on fuel usage and/or storage, if available. Proposer will have to seek out and collect data needed from historical responses (to other natural disasters) If you are interested in participating in this project, please log in to the [ORPIN](#) site, and access RFP No. 201820005 for the document and instructions.

(2) NSF: Partnerships between Science and Engineering Fields and the NSF TRIPODS Institutes (TRIPODS + X)

Please see www.nsf.gov/funding/pgm_summ.jsp?pims_id=505527 for details.

Full Proposal Deadline Date: May 29, 2018

From the Program Synopsis: Twelve NSF Transdisciplinary Research in Principles of Data Science (TRIPODS) Phase I Institutes were established in 2017 with the goal of promoting long-term, interdisciplinary research and training activities that engage theoretical computer scientists, statisticians, and mathematicians in developing the theoretical foundations of data science (see www.nsf.gov/news/news_summ.jsp?cntn_id=242888).

This TRIPODS + X solicitation seeks to expand the scope of the TRIPODS program by engaging researchers across other NSF disciplines and the TRIPODS research teams in collaborative activities. Working in concert with a TRIPODS organization, a TRIPODS + X project would focus on data-driven research challenges motivated by applications in one or more science and engineering domains or other activities aimed at building robust data science communities.

(3) NSF: Mathematical Sciences Innovation Incubator (MSII)

Please see www.nsf.gov/funding/... for details.

From the program page: The ideas, tools, and language of mathematics and statistics play important roles in every area of science and engineering research supported by the National Science Foundation, and it is widely recognized that interactions between the mathematical sciences and other fields catalyze developments in both. The NSF Division of Mathematical Sciences wishes to foster the participation of more mathematical scientists, from every area of mathematics and statistics, in such important interdisciplinary work. In support of this goal, the Mathematical Sciences Innovation Incubator (MSII) activity provides funding to support the involvement of mathematical scientists in research areas where the mathematical sciences are not yet playing large roles.

The MSII activity emphasizes scientific research areas of high national priority that would benefit from innovative developments in mathematics and statistics. For example, modern communication, transportation, medicine, manufacturing, security, and finance all depend on the mathematical sciences. Success in meeting crucial challenges currently facing the nation in these areas will rest on advances in mathematical sciences research. Collaborative research projects involving mathematical scientists have the potential to transform the nation's ability to lead advances in these and many other areas.

Areas of national high-priority scientific research in fiscal year 2019 identified by the U.S. Office of Science and Technology Policy include:

- Security and Resilience of Critical Infrastructure
- Emerging Technologies
- Innovative Energy Technology
- Foundational Biological and Health Research

The MSII activity will support research projects in these and other areas of national priority that are managed by NSF programs outside of DMS and that involve new collaborations among mathematical scientists and other scientists or engineers in the research.

(4) NIJ: Solicitation: Artificial Intelligence Technology Applied Research and Development for Law Enforcement Applications

With this solicitation, NIJ is seeking applications for research to apply advances in artificial intelligence (AI) technologies to support law enforcement in preventing, responding to, and investigating gang violence, human and drug trafficking, migrant smuggling, opioid trafficking, and/or child pornography. NIJ is most interested in proposals that apply AI technology to combatting:

- Street gang violence and victimization
- Human trafficking
- Migrant smuggling
- Opioid trafficking
- Child pornography

All applications are due by 11:59 p.m. Eastern Time on April 27, 2018.

[Review the solicitation.](#)

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

(5) NIJ Solicitation: W.E.B. Du Bois Program of Research on Crime Fiscal Year 2018

The W.E.B. Du Bois Program supports quantitative and qualitative research that furthers the Department's mission by advancing knowledge regarding the intersections of race, crime, violence, and the administration of justice within the United States. This solicitation seeks investigator-initiated proposals for funding from two categories of researchers:

- W.E.B. Du Bois Scholars in Race and Crime Research - Researchers who are advanced in their careers (awarded a terminal degree at least six years prior to December 31, 2018) may apply for 36-month (or less) grants, with funding up to \$500,000 for research and mentoring less-experienced researchers.
- W.E.B. Du Bois Fellowship for Research on Race and Crime - Researchers who are early in their careers (awarded a terminal degree within six years prior to December 31, 2018) may apply for 24-month (or less) grants, with funding up to \$250,000 for research. A period of residency at NIJ is optional, but not required.

All applications are due by 11:59 p.m. Eastern Time on April 27, 2018.

[Review the solicitation.](#)

[Register for a webinar about the solicitation](#) on Wednesday, March 14, 2018 at 3:00 PM ET.

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

(6) NIH NINDS Postdoctoral Mentored Career Development Award

- NINDS Postdoctoral Mentored Career Development Award (K01 Clinical Trial Required)
[\(PAR-18-685\)](#)
National Institute of Neurological Disorders and Stroke
Application Receipt/Submission Date(s): April 30, 2018 then Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.
- NINDS Postdoctoral Mentored Career Development Award (K01 No Independent Clinical Trial Allowed)
[\(PAR-18-686\)](#)
National Institute of Neurological Disorders and Stroke
Application Receipt/Submission Date(s): April 30, 2018 then Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates.

(7) NIH Training Modules to Enhance the Rigor and Reproducibility of Biomedical Research (R25)

- Training Modules to Enhance the Rigor and Reproducibility of Biomedical Research (R25 Clinical Trial Not Allowed)
[\(RFA-GM-18-002\)](#)
National Institute of General Medical Sciences
National Center for Complementary and Integrative Health
National Institute on Drug Abuse
National Institute of Dental and Craniofacial Research
National Institute of Neurological Disorders and Stroke
Application Receipt Date(s): June 29, 2018, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.

(8) NIH: Mentored Career Transition Award for Intramural Fellows (K22)

- Mentored Career Transition Award for Intramural Fellows (K22 Clinical Trials Required)
[\(PA-18-613\)](#)
National Institute of Mental Health
Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.
- Mentored Career Transition Award for Intramural Fellows (K22 Clinical Trials Not Allowed)
[\(PA-18-614\)](#)
National Institute of Mental Health

Application Receipt/Submission Date(s): Standard dates apply, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on these dates. Applicants are encouraged to apply early to allow adequate time to make any corrections to errors found in the application during the submission process by the due date.

(9) NIH "F" Series Training Grants due April 8

We remind you the NIH F Series training grants are due three times a year. For other graduate and postdoc support, please see the following website maintained by the ASA Committee on Funded Research: www.amstat.org/ASA/Your-Career/... Here are some of the resources linked there:

- *Amstat News/STATtr@k/ASA* articles: [Fellowships for Graduate Study](#), [Graduate Fellows Discuss Fellowship Experiences](#), [NSF Graduate Research Fellowship](#), [NSF and NIH Graduate Research Fellows Offer Advice for Applying to Program](#)
- *Amstat News/STATtr@k/ASA* articles: [Post-doc Fellowships, Programs, and Opportunities](#); [Postdocs in Statistics: A Growing Trend](#); [Attitudes About Postdoctoral Training for Statisticians Evolve](#); [Postdoc Numbers Small but on the Rise for Statistics](#)

(10) NIH: Mentored Quantitative Research Development Award (Parent K25)

Applications for the K25 are due three times a year so I'm resending this one with the next due date being June.

Workshops, Webinars and Conferences

(1) NASEM Roundtable Meeting and Webcast: Improving Reproducibility by Teaching Data Science as a Scientific Process

March 23, 2018, 9:00 AM - 4:00 PM PST, Berkeley, CA

The National Academies of Sciences, Engineering, and Medicine invite you to attend the sixth meeting and webcast of the Roundtable on Data Science Postsecondary Education on March 23, 2018 in Berkeley, CA. This meeting will bring together experts from academia, industry, and government to discuss improving reproducibility by teaching data science as a scientific process. Learn more about the roundtable watch past meetings, and read meeting summaries at nas.edu/dsert.

The meeting will be professional webcasted live.

Register Now: www.eventbrite.com/e/...

(2) Fourth International Workshop on the Statistical Analyses of Multi-Outcome Data

The Fourth International Workshop on the Statistical Analyses of Multi-Outcome Data (SAM 2018) will be held at Washington University in St. Louis on June 11-12, 2018 (Monday & Tuesday). The first three meetings were successfully convened in University of Paris VI (2012), Cambridge University (2014), and People's University of China in Beijing (2016). We also have European sister meetings in the University of Liverpool (2017) and University of Manchester in 2019.

Twenty invited speakers (including two keynote speakers, Drs. Jeremy Taylor and Richard Cook) will present interesting topics on joint models, multivariate outcomes, dynamic prediction modeling, and advanced survival analysis methods. There will be a tutorial on the Statistical Analyses of Multi-Outcome Data before the meeting. Posters are welcome, and those from students will be entered into a competition.

The registration is currently open and space is limited. Please go to sites.wustl.edu/sam2018 for details.

(3) Short courses planned for the 2018 ICSA Applied Statistics Symposium

The 2018 ICSA Applied Statistics Symposium will be held from Thursday, June 14 to Sunday, June 17, 2018, at Hyatt Regency New Brunswick, New Jersey, USA (see http://www.icsa.org/icsa_login/symposium2018/main.html). The conference features 7 half-day and 4 full-day short courses on Thursday, June 14:

Half-day: Statistical Topics in Health Economics and Outcomes

Research: Patient-Reported Outcomes, Meta-Analysis, and Health Economics

Instructors: Dr. Joseph C. Cappelleri (Pfizer Inc); Prof. Thomas Mathew (University of Maryland Baltimore County)

Half-Day: Data Visualization: Elements, Grammar, and Evolution Length

Instructor: Dr. Xiaoyue Cheng (University of Nebraska at Omaha)

Half-Day: Artificial Intelligence, Machine Learning, and Precision

Medicine Length Instructor: Dr. Haoda Fu (Eli Lilly & Company)

Half-Day: Futility Analyses in Confirmatory Clinical Trials – Methods and Procedures

Instructors: Dr. Paul Gallo (Novartis); Dr. Satrajit Roychoudhury (Pfizer Inc)

Half-Day: Credit Scoring Models

Instructor: Dr. Tushar Waghmare (Genpact, NY); Dr. Neville O'Reilly (Rutgers University, NJ)

Half-Day: Applied Quantile Regression

Instructor: Dr. Yonggang Yao (SAS Institute Inc.)

Half-Day: Statistical Analysis with Noisy Data — Dealing with Measurement Error and Missing Values

Instructor: Dr. Grace Y. Yi (University of Waterloo)

Full-Day: Preparing Statisticians for Leadership: How to See the Big Picture and Have More Influence

Instructor: Dr. Fang Chen (SAS Institute Inc); Dr. Gary Sullivan (American Statistical Association)

Full-Day: Preparing Statistician to be Successful Big Data Scientist

Instructors: Dr. Hui Lin (DowDuPont); Dr. Ming Li (Amazon)

Full-Day: Analyzing Longitudinal Clinical Trial Data

Instructors: Dr. Craig Mallinckrodt (Eli Lilly & Company); Dr. Ilya Lipkovich (IQVIA)

Full-Day: Biased Sampling, Over-Identified Parameter Problems and Beyond

Instructor: Dr. Jing Qin (National Institute of Allergy and Infectious Disease)

Detailed descriptions of the courses are available at http://www.icsa.org/icsa_login/symposium2018/course.html.

(4) UMBC Probability & Statistics Day 2018

The Department of Mathematics and Statistics at UMBC is holding the annual Probability and Statistics Day on April 20 and 21, 2018 (Friday and Saturday).

The conference is funded by the National Security Agency, and this is the 12th event hosted by us! As has been the case in the past, we have a group of internationally reputed statisticians giving invited talks. On Friday, April 20, we have a half-day workshop, and the main conference takes place on Saturday, April 21.

Detailed information is available at <http://www.umbc.edu/circ/hosting/ProbStatDay2018/index.php>

Please register for the conference at the above site. Also, please spread the word around!

(5) Registration (Free) Open for 6th CAS Webinar in the Collaboration Series

The Committee on Applied Statisticians is proud to announce our 6th FREE Webinar within the Collaboration Initiative.

Title: Negotiations

Date/Time: 13th March, 1:00-2:00 PM EST

Abstract: Negotiations are the basic process of reaching an agreement. The goal of negotiations should always be to work towards a mutually agreeable position or solution. In this Webinar, the key basic principles of effective negotiations will be discussed. At the same time, we will also identify fundamental obstacles or blocks to reaching resolutions. Lastly, we will explore potential pitfalls that can occur.

Negotiations are a process. Influencing skills are the skills that support effective negotiations. The skills and the process go hand in hand. Negotiations are often needed in a scientific collaboration environment. Our focus will be on developing the awareness of negotiations aimed at producing a "win-win" result.

Speaker bio: Jim Van Horn has a consulting practice specializing in Executive/Management Coaching and, Board & Organization Development. He spent a total of 27 years in Corporate Human Resources & Organization Development senior and executive roles at Unisys, Foamex International and the School District of Philadelphia. In addition, Jim has been very active in his societal roles which includes his current role as the President of KenCrest Services Board, a non-profit organization specializing in services to the Intellectually Disabled; Board of Directors of Beacon (formerly the Greater Philadelphia Senior Executive Group), and in the recent past, the President of a Public School Board for 13 years. Jim holds undergraduate and graduate degrees from Temple University.

To register: www.eventbrite.com/e/negotiations-tickets-43628317472

Future seminars in this series include:

- Leading with Questions (April – date tbc)

- Communicating with Non-statisticians (May – date tbc)
- Teamwork (June – Date tbc)
- Statistical Collaboration: Putting the Pieces Together (July – date tbc)

Past webinars include:

- Structuring Effective Meetings
- Cultivating Productive Relationships
- Collaborating Across Cultures: Dynamics of Intercultural Communication
- Conflict Resolution
- Influence without Authority

Recordings of past webinars are available at community.amstat.org/cas/new-item/new-item

Registration for the scheduled webinars are also available from the CAS website:

<http://community.amstat.org/cas/home>



(6) WSDS 2018 Abstract Submission Open

Your participation last year helped make WSDS 2017 another resounding success, and we hope you'll join us again this year and present your work and ideas in Cincinnati!

Concurrent, panel, and speed session abstracts will be accepted until April 19.

[Submit your abstract here](#)

Wherever you are in your career, participating in WSDS is a valuable opportunity to present your work or research or to share your perspective on the role of women in today's statistics and data science fields.

With hundreds of talented women attending the conference, your ideas can have a real impact. WSDS offers attendees opportunities to grow their influence, their community, and their knowledge—and those opportunities start with you.



Find your place on the program in October by submitting an abstract today.

[Learn more about WSDS 2018](#)

Awards

(1) Nominations Sought for 2018 Julius Shiskin Memorial Award

Nominations are invited for the 2018 Julius Shiskin Memorial Award for Economic Statistics. This annual award, sponsored by the Washington Statistical Society, the National Association for Business Economics, and the Business and Economics Statistics Section of the American Statistical Association, is given in recognition of unusually original and important contributions in the development of economic statistics or in the use of statistics in interpreting the economy. Contributions can be in development of new statistical measures, statistical research, use of economic statistics to analyze and interpret economic activity, development of statistical tools, management of statistical programs, or application of data production techniques.

Last year, Katherine Wallman, recently retired after 24 years as U.S. Chief Statistician at OMB, was selected to receive the Award for her work to strengthen the independence of U.S. statistical agencies; expanding confidentiality protection; improving the quality of official statistics; increasing collaboration among the statistical agencies; and improving the reliability and comparability of official statistics

throughout the world. In 2016, John Abowd received the award for designing and implementing disclosure avoidance techniques that enable federal statistical agencies to greatly expand the availability of their data while preserving respondents' confidentiality and for his leadership at Cornell providing access to these data over the Internet.

This award was established in 1979 to honor Julius Shiskin who at the time of his death in 1978 was Commissioner of BLS. He earlier had served as Chief Statistician at the Office of Management and Budget and as Assistant Director at the U.S. Census Bureau. At Census he was instrumental in developing an electronic computer method for seasonal adjustment. At OMB he developed the policies that still govern the release of key economic indicators. At BLS he directed the comprehensive revision of the CPI, which included a new CPI for all urban consumers.

Nominations for the 2018 award are now being accepted. Individuals in the public or private sector from any country can be nominated. Completed nominations must be received by March 21, 2018. The award will be presented with an honorarium of \$1000. A nomination form and a list of previous recipients are available from <http://community.amstat.org/businessandeconomicstatisticssection/new-item/new-item>

For more information, please contact Thomas Evans, Julius Shiskin Award Committee Secretary, via e-mail at evans.thomas@bls.gov or call (202) 691-6354.

Other opportunities or information

(1) Nova: Prediction by the Numbers

In case you didn't get to see PBS' Nova last week, you may wish to check it out:

<http://www.pbs.org/wgbh/nova/physics/prediction-numbers.html>