



## Caucus of Academic Reps (CAR) Weekly Digest December 14, 2018

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**Funding opportunities:** Visit the [ASA's Funding Opportunities Community](#) for recent past information. (You'll need to log in to ASA Members Only.)

No new listings this time.

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### **Awards and Other Opportunities**

No new listings this time.

## Positions

### **(1) Funding confirmed! Please spread the work regarding Science and Technology Policy Fellowships**

We just learned that ASA has received support from the Alfred P. Sloan Foundation for a Science and Technology Policy Fellowship program focusing on data science and related expertise such as machine learning, data visualization, and causal inference to meet legislative and policymaking challenges.

We would appreciate your help spreading the word about this incredible opportunity. ASA is leading this initiative in partnership with several other societies.

The ASA/ACM/AMS/IMS/MAA/SIAM 2019–2020 AAAS Science and Technology Policy Fellowship focuses on data science and related expertise such as machine learning, data visualization, and causal inference to meet legislative and policymaking challenges. Fellows serve one year in a federal agency or on the staff of a senator, representative, or congressional committee beginning September 2019. Learn about the executive and legislative processes and lend statistical and scientific expertise to public policy issues.

Individuals who are US citizens and have a PhD in statistics, data science, mathematics, or a closely related field are encouraged to apply. The ASA seeks candidates reflecting the diversity of our society. [Applications](#) are due by January 15, 2019, and require a candidate statement, biographical sketch, and three letters of reference.

This project is funded by a grant from the Alfred P. Sloan Foundation.

### **(2) Michigan State University, College of Human Medicine: Chair, Department of Epidemiology and Biostatistics**

The College of Human Medicine at Michigan State University invites applications for Chairperson of the Department of Epidemiology and Biostatistics to provide strategic and academic leadership. Michigan State University, the nation's original land-grant university had total research expenditures of \$700 M, including \$434 M in external funding (2017). The Department of Epidemiology and Biostatistics is one of the premier research units in the college, with an annual research expenditure of \$6 M.

For information about the department, please visit [www.epi.msu.edu](http://www.epi.msu.edu)

The Chair is expected to be an innovative and visionary leader who will promote the continued growth of the department and inspire scholarship at all levels, while influencing the growth and direction of population health sciences at the university level. Through strong leadership, the Chair will be responsible for advancing the quality and scope of research, teaching and service activities of the department. The Chair will foster a productive team-based approach to research and education both within the department and across the college and university, and will be an effective advocate for faculty. We seek an individual who is a strategic thinker with the administrative skills to oversee a complex department, including financial acumen to oversee the budget, excellent communication skills, a commitment to cultural diversity and inclusion, and outstanding mentorship abilities to help enable faculty success through the promotion and tenure process.

The candidate must have a doctoral degree and be recognized as a scholar in epidemiology and/or biostatistics based on a solid track record of scholarship, teaching, and extramural research funding. The position includes a tenure system faculty appointment in the department at the level of professor.

Interested applicants should apply to posting #548935 at <http://careers.msu.edu>. For fullest consideration and to be included in the initial review process, applications must be received by January 15, 2019, though the position will remain open until filled. Please upload a cover letter with a statement describing your leadership philosophy, vision for the department, and strategies to achieve the vision; curriculum vitae; and the names of three referees (the college is committed to confidentiality and references will not be contacted without permission of the applicant).

For more information, contact the chair of the search committee, Professor Bengt B. Arnetz, MD, PhD, MPH, MScEpi, [barnetz@hc.msu.edu](mailto:barnetz@hc.msu.edu), (313) 310-6123 with the subject line: "Epi & Biostats Chair".

### **(3) University of Virginia Social & Decision Analytics: Post-Doc positions**

The Social & Decision Analytics Division (SDAD) is seeking applications for multiple postdoctoral associates in statistics and social and behavioral sciences. SDAD is a leading laboratory in the Biocomplexity Institute & Initiative (BII) at the University of Virginia. BII performs world-class informatics research in life sciences, social sciences, and human health by integrating theory, modeling and simulation with computational and experimental science in a transdisciplinary, team science research environment.

SDAD combines expertise in statistics and social and behavioral sciences to develop evidence-based research and quantitative methods to inform policy decision-making and evaluation. The researchers at SDAD span many disciplines including statistics, economics, computational social science, psychology, political science, policy, and program evaluation, and data science. SDAD methods integrate statistical learning, network science, cognitive science, behavioral economics, game theory, crowdsourcing, and machine learning.

SDAD researchers address complex social problems by leveraging the diversity of data flows available today including administrative and government records, surveys, social media, and sensors. Through team collaboration, the postdoctoral candidate is expected to develop the capacity to discover, repurpose and redirect these data flows to solve critical social problems. Computational complexity is at the heart of SDAD research and SDAD leverages all the research capability of BII, along with the High Performance Computing infrastructure.

The position will be offered at the rank of postdoctoral associate and will be located in BII's location in Arlington, VA. Position reports to Sallie Keller, Director of SDAD and Professor of Public Health Sciences. The anticipated start date for the position is May of 2019.

#### **Required Qualifications:**

- Applicants must be on track to receive a PhD in statistics, social and behavioral sciences, digital humanities or in a very closely related field by May of 2019 and must hold a PhD at the time of appointment.
- Willingness to work in a team science environment.
- Experience with advanced approaches to statistics and data-driven model development.

- Experience with statistical software systems such as R, programming, and databases.
- Excellent communication skills, both oral and written, demonstrated through the development of publications and delivery of presentations.
- Be motivated, enthusiastic and self-driven.
- Ability to excel in a highly collaborative team science environment.

Preference will be given to those applicants with experience using diverse sources of data, both traditional ones such as surveys, and non-traditional ones, such as administrative data and social media.

To apply for this position, please go to <http://jobs.virginia.edu/applicants/Central?quickFind=86114>. Please attach a CV, Cover Letter detailing your relevant experience and interest in the position and summary of your coursework. Please have three confidential letters of reference sent to this email address: [dspg2019@virginia.edu](mailto:dspg2019@virginia.edu). Review of applications will begin on January 10, 2019 and will continue until the position is filled.

To learn more about SDAD and BII, please visit us at [biocomplexity.virginia.edu](http://biocomplexity.virginia.edu).

For questions about the application process, please contact Savanna Galambos, Faculty Search Advisor, at [skh7b@virginia.edu](mailto:skh7b@virginia.edu).

#### **(4) University of Florida, Department of Statistics: lecturer positions**

The Department of Statistics at the University of Florida seeks two qualified applicants for 9-month academic year lecturer renewable positions to begin in August 16, 2019. Primary duties include the teaching of undergraduate statistics courses for both majors and non-majors. Interest in online teaching is a plus.

The role of lecturers is highly valued by the department and the university. To encourage and facilitate their professional development, lecturers at the University of Florida are eligible for promotion through the ranks of Lecturer, Senior Lecturer, and Master Lecturer. Opportunities for summer teaching are likely.

For full consideration, applications must be submitted online at <https://apply.interfolio.com/55146> and must include: (1) a letter summarizing the applicant's qualifications and interests in the Department, (2) a complete curriculum vitae including statistics teaching background and experience, (3) a link to a short (5-10 minute) instructional video prepared by the applicant on a topic of his or her choice, and (4) three confidential letters of recommendation.

Applications will be reviewed beginning January 7, 2019 as received and the position will remain open until filled. To ensure full consideration, application materials should be received by January 14, 2019. All candidates for employment are subject to a pre-employment screening which includes a review of criminal records, reference checks, and verification of education. Send email inquiries to [lecturersearch@stat.ufl.edu](mailto:lecturersearch@stat.ufl.edu).

#### **(5) University of New Mexico Health Sciences Center: Research Scientist 3**

The Division of Epidemiology, Biostatistics and Preventive Medicine (DEBPM), within the Department of Internal Medicine, is seeking a term Research Scientist 3 to support research data collection, management, and statistical analysis. The successful candidate will have experience working as a statistical programmer/analyst with expertise in data management techniques and report generation,

preferably in a data coordinating center or clinical research organization. Demonstrated experience using statistical software, including SAS, is required. Experience using multiple statistical methods used in clinical and public health research including regression methods (e.g., longitudinal data analysis, multivariable logistic regression, and survival analysis) is preferred. Knowledge of clinical trial design is desired. Excellent written and oral communication skills are required. Prefer MS or PhD.

#### Minimum Qualifications

Bachelor's degree; at least 3 years of experience directly related to the duties and responsibilities specified. Completed degree(s) from an accredited institution that are above the minimum education requirement may be substituted for experience on a year for year basis.

#### Preferred Qualifications

- MS or PhD in biostatistics/statistics or closely related field.
- Experience using statistical software for data management and reporting.
- Experience working as a statistical programmer/analyst.
- Experience and expertise using a variety of statistical software packages such as SAS (preferred) or R.
- Experience developing, working with, and managing databases and data collection forms.
- Documented experience using multiple statistical methods for clinical and public health research including regression methods (e.g., longitudinal data analysis, multivariable logistic regression, and survival analysis).
- Ability to prioritize work and manage time to complete multiple simultaneous assignments.
- Ability to communicate effectively with study personnel through email and over the phone.

When submitting your application, please include a copy of relevant SAS code that you have written. Your cover letter should address the preferred qualifications.

For more information and to apply, visit [unm.csod.com/ats/careersite/...](http://unm.csod.com/ats/careersite/...)

#### **(6) University of Washington, Department of Biostatistics: Tenure-track faculty positions**

The Department of Biostatistics at the University of Washington invites applications for two full-time tenure-track faculty positions at the Assistant Professor level, anticipated to start July 2019.

The [Department of Biostatistics](#) is a long-standing leader in the statistical sciences, values expertise in training and research and promotes rigorous quantitative methods. We currently have more than 40 regular and research-track faculty, and over 30 affiliate and adjunct faculty members. Applicants who will enhance the Department's expertise in methodological research and biomedical applications are strongly encouraged to apply.

A PhD or equivalent degree in Biostatistics, Statistics or a related field is required. The department is an equal opportunity employer with a strong commitment to diversity. Please visit the [application page](#) for the full announcement and how to apply. Applications are currently being reviewed; the positions will remain open until filled.

### **(7) New Jersey Institute of Technology: Assistant/Associate Professor (Mathematical Sciences)**

The Department of Mathematical Sciences (DMS) at the New Jersey Institute of Technology seeks candidates to fill a tenure-track position at the assistant or associate professor level in the areas of statistics, data science, statistical machine learning, biostatistics, applied probability, stochastic processes, or data assimilation. The appointment is to start in Fall 2019. The Department is particularly interested that candidates be able to teach data science courses at undergraduate and graduate levels.

Candidates should have a Ph.D. in mathematics, applied mathematics, statistics, data science or related discipline with strong research, funding and teaching potential for consideration at the assistant/associate professor level. At the university's discretion, the education and experience prerequisites may be excepted where the candidate can demonstrate to the satisfaction of the university an equivalent combination of education and experience specifically preparing the candidate for success in the position.

To apply, please visit [njit.csod.com/ats/careersite/...](http://njit.csod.com/ats/careersite/...) Submissions must include (a) cover letter, (b) resume/CV, (c) research statement, (d) teaching statement, and (e) names and contact information for at least four references. Review of applications will begin immediately and will continue until the position is filled.

### **(8) Carleton College: Visiting Assistant Professor in Statistics**

The Carleton College Department of Mathematics and Statistics anticipates hiring a Visiting Assistant Professor in Statistics with a two-year appointment to begin September 1, 2019. A PhD in statistics, biostatistics or a closely related field in hand or imminent completion by September 1 is preferred. Responsibilities include teaching five statistics courses (spread out over our calendar of three ten-week terms), supervising a small-group senior capstone project, and participating in departmental discussions on our evolving statistics program.

The department, which includes four statisticians, offers a new major in statistics with unique undergraduate opportunities such as a statistical consulting class in which students work in teams on data analysis projects solicited from the local community.

Applicants should submit, through <https://jobs.carleton.edu/postings/4029>, a letter of interest, graduate transcript, curriculum vitae, a statement about teaching in an undergraduate liberal arts environment, and three letters of recommendation. At least one letter should specifically address teaching experience. Electronic submission is preferred but materials may be mailed to Stats Search, Department of Mathematics and Statistics, Carleton College, One North College Street, Northfield, MN 55057-4025. Inquiries may be emailed to [statsearch@carleton.edu](mailto:statsearch@carleton.edu). For further information about the department consult the Carleton mathematics and statistics website at <http://math.carleton.edu>.

Evaluations of applications will begin on January 25, 2019, and continue until the position is filled.

### **(9) USDA (Ames, Iowa): statistician / data scientist**

Center for Veterinary Biologics, United States Department of Agriculture

Join our team of statisticians and data scientists in 2019. Applications are being accepted for this position until Dec. 20 at USAJOBS: [www.usajobs.gov/GetJob/ViewDetails/518048900](http://www.usajobs.gov/GetJob/ViewDetails/518048900)

We bring a broad perspective to our consulting and analytical work with scientists at the USDA National Centers for Animal Health. Our Statistics Section is looking for a good communicator who is comfortable dealing with the analytical aspects of practical scientific issues.

We are looking for skills that support the

- Statistical design, analysis, and interpretation of scientific studies
- Application of statistical principles to specific problems in applied disciplines
- Effective communication with scientists about practical issues

We'd also like to know about your background in areas that may advance our work, such as laboratory applications, epidemiology, machine learning, or statistical programming.

Applicants must be United States citizens.

Contact

Dave Siev, DVM, MS

Statistics Section Leader

USDA Center for Veterinary Biologics

Ames, IA 50010

[david.siev@aphis.usda.gov](mailto:david.siev@aphis.usda.gov)

**(10) Duke University, Department of Statistical Science: Coordinator of Undergraduate Training, Research, and Development**

The ideal candidate will have a master's degree in statistics (or a related quantitative field) and the drive and enthusiasm to manage operational, administrative, analytical, and technical details supporting a cohort of outstanding undergraduate students focused on careers in statistical and data science.

The Coordinator will have high-level technical skills, including in data analysis and programming using modern software (e.g., R/RStudio/Markdown, Python, HTML JavaScript). Academic instructional skills in statistical computing and experience in career counseling are a plus. Strong written and oral communication skills and the ability to establish rapport with undergraduate students are required. This position will be a full-time position, with considerable time in the summer spent in program assessment and support for course planning activities.

For more information, including how to apply, visit [stat.duke.edu/news/...](http://stat.duke.edu/news/...) . Review of applications will begin 12/31, and the position will remain open until filled.

**(11) NSF: Please forward to Ph.D. students: NSF Mathematical Sciences Graduate Internship opportunities**

The National Science Foundation (NSF) Division of Mathematical Sciences (DMS) aims to provide opportunities to enrich the training of graduate students in the mathematical sciences through the provision of an NSF Mathematical Sciences Graduate Internship Program. This program provides opportunities for mathematical sciences doctoral students to participate in internships at federal national laboratories, industry, and other approved facilities.

Participation in an internship will provide first-hand experience of the use of mathematics in a nonacademic setting. The internships are aimed at students who are interested in understanding the application of advanced mathematical and statistical techniques to "real world" problems, regardless of whether the student plans to pursue an academic or nonacademic career.

Please see [orise.orau.gov/nsf-msgi/default.html](http://orise.orau.gov/nsf-msgi/default.html) for details and instructions on how to apply.

Application deadline: January 15, 2019

### **(12) Jefferson Biostatistics & Data Science Summer Internship**

Thomas Jefferson University is again offering a paid biostatistics & data science summer internship for both undergraduate and graduate students. More information can be found at

[www.jefferson.edu/university/jmc/departments/...](http://www.jefferson.edu/university/jmc/departments/...)

Applications may be submitted online at [jeffline.jefferson.edu/education/programs/...](http://jeffline.jefferson.edu/education/programs/...)

Application deadline is Feb 7, 2019

## Funding opportunities and information

No new listings this time.

## Workshops, Webinars and Conferences

### **(1) Summer school on Advanced Bayesian Methods**

The Interuniversity Institute for Biostatistics and statistical Bioinformatics organizes for the third time a summer school on Bayesian methods. During one week, two courses will be taught on specific topics in Bayesian methodology. The focus is on Bayesian methods that are relevant for the applied statistician. Special attention will be devoted to novel statistical methodology.

In the third edition of the summer school, the following two courses will be organized in Leuven from 23 to 27 September 2019:

- Two-day course (23-24 September) on Advanced Simulation and Numerical Methods for Bayesian Statistics by Dr. Mark Girolami (Imperial College, London and The Alan Turing Institute, UK)
- Three-day course (25-27 September) on Bayesian Variable Selection Methods by Dr. Ioannis Ntzoufras (Athens University of Economics and Business, Greece)

The target audience of summer school are statisticians and/or epidemiologists with a sound background in statistics, but also with background in Bayesian methodology. In both courses, practical sessions are organized, so participants are asked to bring along their laptop with the appropriate software (to be announced) pre-installed.

The registration costs for the courses are:

Two-day course		Three-day course	
I-Biostat member	€ 50	I-Biostat member:	€ 50
PhD student	€ 200	PhD student:	€ 250
Quetelet member	€ 200	Quetelet member	€ 250
Academic	€ 300	Academic:	€ 400
ISBA member	€ 300	ISBA member:	€ 400
Research institute	€ 300	Research institute:	€ 400
Industry	€ 900	Industry:	€ 1200

Note that one is registered to the course, ONLY when the registration costs have been paid. The deadline for registration is August 31, 2019.

More information about the courses and practicalities (registration, location, transportation, etc.) can be found in due time on <https://ibiostat.be>.

Please reserve already this week in September 2019!

For additional questions, please contact Kirsten Verhaegen ([kirsten.verhaegen@kuleuven.be](mailto:kirsten.verhaegen@kuleuven.be)).

## **(2) May Institute on computation and statistics for mass spectrometry and proteomics**

The May Institute on Computation and Statistics for Mass Spectrometry and Proteomics, taking place on April 29 – May 10, 2019 on campus of Northeastern University in Boston MA, is now accepting applications. The application deadline is January 31, 2019.

Participants can select a subset of the following programs:

- Targeted proteomics with Skyline
- Proteomics and metabolomics with OpenMS
- [NEW THIS YEAR!] Imaging mass spectrometry with Cardinal
- Beginner's statistics in R
- Advanced R
- Statistics for quantitative mass spectrometry
- Visualization of biomolecular data
- [NEW THIS YEAR!] Scientific writing
- Capstone – case studies in data-independent acquisition (DIA)

Instructors are leading experts, who contributed numerous experimental and computational methods and software. The target audience are both beginners and experienced scientists, with both experimental and computational expertise.

Tuition fee waivers and travel fellowships will be available for students and postdocs affiliated with academic institutions in the US. More information is at <https://computationalproteomics.ccis.northeastern.edu/>

### **(3) IASE 2019 Satellite Conference – Kuala Lumpur, Malaysia: Announcement and Call for Papers**

[iase-web.org/conference/satellite19](http://iase-web.org/conference/satellite19)

The International Association for Statistical Education (IASE) is pleased to announce that its 11th Satellite Conference will take place August 13-16 in Kuala Lumpur, Malaysia just before the 62nd World Statistics Congress (WSC62; August 18-23 in Kuala Lumpur). IASE Satellites bring 80-120 folks from around the world and the host country to share their passion, expertise and experiences in statistics education. Many delegates continue to the larger WSC, which has numerous sessions related to statistics education but attendees often come just for the Satellite meeting.

The 2019 Satellite conference will be organized around the broad theme "Decision Making Based on Data". The conference will be hosted by statistics educators from Universiti Teknologi MARA and Universiti Putra Malaysia and supported by the Bank Negara Malaysia (BNN of Malaysia). We invite you to participate in the Satellite, to join us in sharing knowledge, questions, and ideas that help to advance statistics education, and learn from the work of esteemed colleagues from around the world. The conference will mix plenary talks, papers and poster sessions and hands on preconference workshops.

Call for papers: The International Program Committee (IPC) is calling for contributions of papers and posters that fit with the theme listed above, and/or that address any of the following topics

- Topic 1: Inference from data
- Topic 2: Making sense of big data
- Topic 3: Evidence based decision making under risk and uncertainty
- Topic 4: Statistics Education in the 21<sup>st</sup> century

Decision Making is the basis of free and responsible human actions. While our ancestors' Decision Making was based on impressions and opinions, ours can be based on real data collected professionally. In some cases Decision Making can become a complex process, but giving people the right tools can help them successfully move through that process. Our Satellite Conference is committed to different models of Decision Making and to the interface between the agent making decisions and the data required. The Conference will bring together statisticians, statistics educators, practitioners, psychologists and even behavioral economists to consider issues related to using data to make decisions. It will offer something for everyone from students to researchers across disciplines; anyone with some prior exposure to statistics and probability theory.

A submission could report about the design and outcomes of a (research) project, innovation or intervention, that can inform and improve the teaching, learning, and understanding of statistics (primary/elementary, secondary/high-school, tertiary /university-level) connecting it to Decision Making in diverse contexts (e.g., workplace, using official statistics, health, personal finance planning).

A submission will require a \*300 word description of the proposed paper\*, to be submitted by \*January 15, 2019\* via the conference website. Authors will be notified by \*Feb 15, 2019\* about acceptance of submission. An optional refereeing process for accepted papers will be offered. Final submissions are due April 15, 2019. All accepted papers and posters will be included in the online Conference Proceedings on the IASE website. However, inclusion of an accepted submission in the actual conference program is conditional on at least one of the authors being registered and presenting at the conference.

Visit the conference website ([iase-web.org/conference/satellite19](http://iase-web.org/conference/satellite19)) for more and up-to-date information. Questions about the program and submissions should be sent to the chair of the International Program Committee, Laura Martignon ([Martignon@ph-ludwigsburg.de](mailto:Martignon@ph-ludwigsburg.de)), and about logistics and registration to the Chair of the Local Organizing Committee, Zamalia Mahmud ([zamalia@tmsk.uitm.edu.my](mailto:zamalia@tmsk.uitm.edu.my)).

## Awards and Other Opportunities

No new listings this time.