Dear Colleagues,

Attached is the latest digest in pdf format. A text version follows below.

Best regards,
Ron

PS Should the need arise to look at an old digest, they are available in the Caucus of Academic Reps site in the ASA Community, in the folder “Academic positions and funding digest 2017”

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**Caucus of Academic Reps (CAR) Weekly Digest**

April 14, 2017

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(1) Augusta University Medical College of Georgia, Department of Biostatistics & Epidemiology: Assistant/Associate Professor of Biostatistics

The Department of Biostatistics and Epidemiology in the Medical College of Georgia at the Augusta University (AU) invites applications for a tenure track faculty position in Biostatistics at the Assistant or Associate level. Applicants must have a Ph.D. in biostatistics or a closely related field with background and demonstrated interest in computational biology or data analytics. Interest and ability in active collaboration with other investigators in biomedical and public health research within and outside of AU will be an important factor in the selection of candidates, as will proactive interest in doctoral teaching and mentoring.

The Department: The Department of Biostatistics and Epidemiology in the Medical College of Georgia at AU offers pre- and post-doctoral training programs in Biostatistics. Immediate future plans include developing graduate programs in Data Analytics and Epidemiology. The new faculty members will join a highly interdisciplinary faculty and will play an integral role in the ongoing expansion of research and education at AU. The academic departments, and centers and institutes such as the Center for Biotechnology and Genomic Medicine, Cyber Institute, Georgia Cancer Center, Georgia Prevention Institute, Institute of Public and Preventive Health and Sickle Cell Center provide rich opportunities for interdisciplinary research.

The University: AU is one of the University System of Georgia’s four comprehensive research universities and is Georgia’s healthcare flagship institution with the nation’s eighth largest medical college, the state’s sole dental college, and an integrated health system. A comprehensive set of undergraduate and graduate programs complements Augusta University’s healthcare emphasis.

The Community: Located in the east central region along the banks of the Savannah River, Augusta is Georgia’s second largest and oldest city. It is renowned internationally for its annual Masters Golf Tournament. Known as the "Garden City", Augusta features picturesque and friendly neighborhoods, low cost of living, and plenty of cultural and recreational opportunities. It is a growing and thriving city with a metropolitan area population of over 575,000. Augusta was recently ranked 22nd of the 367 U.S. metropolitan areas that Kiplinger’s Personal Finance considered for its list of Best Cities for the Next Decade and is ranked by US News and World Reports as one of the top 100 best places to live. Major metropolitan areas such as Atlanta and Charlotte are within a short driving distance, as are many scenic destinations including the Blue Ridge Mountains and the Atlantic coast, and historic locations including Savannah and Charleston.

Interested applicants should send curriculum vitae, a brief statement of current and planned research, and names and contact information of at least three references to:

Varghese George, Ph.D., Chair
Dept. of Biostatistics and Epidemiology
E-mail: VGeorge@Augusta.edu
www.augusta.edu/mcg/biostatepi/

(2) Ohio State University/Nationwide Children’s Hospital: Biostatistics Postdoctoral Fellow
Position Description: Division of Biostatistics, College of Public Health, The Ohio State University and the Nationwide Children’s Hospital (NCH) invite applications for an open post-doctoral fellow position. This position is created with funding support from the College of Public Health and the Center for Pediatric Trauma Research at NCH, to explore new statistical methodological issues concerning health outcome research and big data analysis. The fellow will work under the joint supervision of Drs. Bo Lu (Division of Biostatistics), Steve MacEachern (Department of Statistics) and Henry Xiang (NCH and Division of Epidemiology), and will be supported by a team of epidemiologists and data managers. The general research topics focus on Bayesian methods for causal inference, statistical models for big data with applications in healthcare and health services research. Publications in peer-reviewed journals are expected. This post-doctoral fellow will be officially managed by the NCH Patient-Centered Pediatric Research Fellowship Program. The fellow will have opportunities to participate in pediatric/injury research projects in collaboration with clinical investigators and other post-doctoral fellows. The appointment will be for a two-year period.

Position Qualifications: Ph.D. degree in biostatistics, statistics, or related quantitative fields; interest and track record in statistical methodology research; strong programming skills; working knowledge of Bayesian models or causal inference is a plus; excellent written and oral communication skills.

Salary/Benefits: Salary will be determined based on years of experience following the NIH National Research Service Award guidelines. This position will be eligible for full time benefits offered to all full time employees at NCH.

Application Address: Applicants should arrange to send a letter of interest (including a summary of research interests), curriculum vitae, relevant transcripts, up to two publications or working papers, and the contact information for three references as one PDF file to Dr. Bo Lu (Email: Lu.232@osu.edu; Phone: 614-247-7913) or Dr. Henry Xiang (Email: xiang.30@osu.edu; phone: 614-355-5893)

(3) Kaiser Permanente Washington Health Research Institute: Postdoctoral Fellowship in Biostatistics

The Biostatistics Unit at Kaiser Permanente Washington Health Research Institute (KPWHRI) is seeking a postdoctoral fellow to engage in biostatistical and collaborative research activities under the mentorship of Drs. Andrea Cook and Jennifer Nelson. Using electronic health data from health care delivery systems, applicants will have the opportunity to conduct methodological research to improve the conduct of pragmatic trials and complex observational studies and to collaborate on interdisciplinary research teams. The specific scientific and biostatistical questions addressed will depend on the candidate’s expertise and interest and may include: 1) What statistical approach should be used in a multi-site cluster randomized back pain trial to estimate treatment effects that are robust to model misspecification?; 2) Can we modify existing correlated data methods to better understand individual and environmental factors that predict or modify trajectories of body weight?; 3) What adaptations of trial-based sequential methods are needed to make causal inference for survival outcomes in a post-marketing drug safety surveillance setting? 4) How can we integrate electronic health data within a traditional cohort design in order to characterize how multiple risk factors are associated with risk of dementia and Alzheimer’s disease? The successful candidate will be encouraged to publish in peer-reviewed journals and present at scientific meetings. To learn more about our ongoing research and methods, please visit www.kpwashingtonresearch.org/.

Applicants should have a PhD degree in biostatistics or statistics, a passion for methodological inquiry grounded in collaborative interdisciplinary research, and strong communications skills. Review of applications will begin immediately and continue until the position is filled. The initial appointment will be for one year, with possible extension for a second year. Salary will be commensurate with qualifications. To Apply: Send a research statement, CV, and the names and contact information for three references to Jennifer Nelson, PhD (nelson.jl@ghc.org). Additional application procedures may be required. Kaiser Permanente is an affirmative action, equal opportunity employer.

(4) Wake Forest School of Medicine, Department of Biostatistical Sciences: Postdoctoral Fellowship in Biostatistics and Bioinformatics

The Department of Biostatistical Sciences in the Division of Public Health Sciences at Wake Forest School of Medicine in Winston-Salem, North Carolina, invites applications for a postdoctoral
fellowship in biostatistics and bioinformatics starting in October 2017. This fellowship will provide an ideal research environment for applying and developing novel statistical and computational methods as needed to address cutting-edge problems in genomics and use of data from electronic health records.

The postdoctoral fellow will collaborate with an established interdisciplinary research team consisting of statisticians, epidemiologists, clinicians, and bioinformaticians conducting research in diabetes.

Ideal candidates will have the following qualifications:

- PhD in biostatistics, statistics, computer science, informatics, or related field.
- Methodological expertise in topics relevant to statistical genetics, electronic health records, administrative data sets, or related areas.
- Excellent written and oral communication skills.
- Experience collaborating with medical and public health professionals on medical research projects in a multidisciplinary setting is a plus.

Review of applications will begin immediately and continue until the position is filled. The initial appointment will be for one year, with possible extension for up to an additional one year by mutual agreement.

Salary will be commensurate with the NIH guidelines.

Applicants should send a cover letter, curriculum vitae and research statement, and contact information for three references to dbsrecruit@wakehealth.edu.

(5) Icahn School of Medicine at Mount Sinai: Postdoc in biostatistics/bioinformatics

Description: The research group led by Dr. Pei Wang in the Department of Genetics and Genomics Sciences at Icahn School of Medicine at Mount Sinai (New York, NY) invites applications for a postdoctoral researcher in Biostatistics/Bioinformatics. The positions will provide wonderful research opportunities to develop novel statistical/computation methods to solve cutting edge problems in cancer genomics and digital health research. The postdoctoral researcher will work with the established interdisciplinary research team consisting of statisticians, bioinformaticians, and laboratory and clinical scientists. He/She will be able to participate exciting projects from digital health (e.g. mobile health) studies, as well as cancer studies in NCI-CPTAC (Clinical Proteomic Tumor Analysis Consortium), the sister consortium of TCGA.

Duties and Responsibilities: The successful applicant will collaborate with quantitative researchers on methodology development and data analyses for large/complex data sets from omics technologies and/or digital health studies.

Position Qualifications: A Ph.D. in statistics/biostatistics/data sciences or related area is required. Relevant areas of expertise include statistical learning, machine/deep learning and et al. Some experience with applied techniques and real analysis is expected. Experience with computational programming such as R and/or C is required.

- A strong quantitative background in computing, with a demonstrated ability to design and implement algorithms in working code.
- Coursework and practical experience in applying statistical and/or data mining approaches to complex and/or high dimensional biological data.
- Programming experience in a UNIX/Linux environment using programming languages such as R.
- Excellent communication and teamwork skills to take advantage of the highly collaborative environment, adaptability and willingness to contribute to the overall goals of the research.

Salary Range: $60,000-$70,000 Annual
Benefits: Excellent benefit packages including insurance and housing.

Application Information: Applicants should send a curriculum vitae/resume and provide contact information for references. The posting will remain open until the position is filled.

Contact Email: pei.wang@mssm.edu

(6) U.S. Army Research Office: Program Manager, Probability and Statistics

Applications are being solicited for the following scientific disciplines: Mathematician or Statistician at pay bands equivalent to the GS-12/13 or 14/15 grade levels, U.S. Army Research Office, Research Triangle Park, N.C. The annual salary range is $72,332 - $155,428 (per annum, which includes a locality adjustment) depending upon individual qualifications and salary history.

Position is as Program Manager for extramural basic research program in Probability and Statistics, with particular focus in Stochastic Analysis & Control, Quantum Stochastics, and Quantum Information Theory. Work involves the creation, management, and leadership of high risk, opportunity-driven basic-research with potential for major impact on Army/DoD capabilities. Incumbent will promote/coordinate relationships between Army and national and international scientific, educational, and research institutions to affect the transition of this research into current/future Army systems. Will conduct workshops, conferences and symposia related to research initiatives within these specific areas of Probability & Statistics; will identify emerging opportunities and maintain awareness of recent developments. Will coordinate with representatives (intra- and inter-discipline) from DoD and other agencies to evaluate research initiatives.

Applicants must show successful completion of a full 4 year course of study leading to a bachelor’s degree from an accredited institution; or combination of education and experience equivalent to the GS-12 level position (DB-III) or GS-14 level position (DB- IV) in the Federal government. Advanced degrees at the PhD level, with relevant journal publications, preferred. Experience must have been in or related to the work of the position and equipped the applicant with the knowledge, skills, and abilities to successfully perform the duties of the position.

Applicants must be U.S. citizens, be able to obtain a security clearance (SECRET), and comply with provisions of the Ethics in Government Act. Interested individuals must apply electronically by sending detailed curriculum vitae that includes relevant work experience and detailed publication list to usarmy.rtp.aro.mbx.aropmjobs@mail.mil. Direct questions to Dr. Joseph Myers, (919) 549-4245, or Ms. Wanda Wilson, (919) 549-4296.

(7) University of Otago, New Zealand: Tenure-track Statistics positions

Full details: otago.taleo.net/careersection/2/...

Applications are invited for two full-time, confirmation path positions as Lecturer/Senior Lecturer in our Statistics Group. The US equivalents of these appointments are Tenure-track Assistant Professor/Associate Professor. This opportunity would suit active researchers who wish to further their career in an academic environment.

We welcome applications from candidates with research expertise in any area of Statistics. Research areas of current Statistics staff include environmental and ecological statistics, Bayesian inference, statistical theory, point processes, spatial statistics, biostatistics and bioinformatics.

Otago has consistently been among the top-ranked research universities in New Zealand. The University values research and research informed teaching, and teaching assignments and loads are structured accordingly. We encourage academics to establish and maintain international research connections, and we support this with generous research/sabbatical and conference leave.

Applications close: Sunday, 30 April 2017

(8) City of Hope: Assistant/Associate Research Professor in Biostatistics

City of Hope is recruiting an experienced statistician for a non-tenure track faculty appointment to support clinical trials and pre-clinical research in the newly created Hematology Institute. This will be a joint appointment in Hematology and Biostatistics in the Research Professor series, at a rank
consistent with qualifications and experience. Job Requirements/Responsibilities are attached.

Applicants should submit a cover letter, current CV and references by April 30, 2017 to:

Joycelynne M. Palmer, PhD  
Division of Biostatistics, Hem/HCT Section  
Department of Information Sciences  
City of Hope National Medical Center  
1500 East Duarte Road, Bldg. 74, Ofc. 1002  
Duarte, CA 91010  
jmpalmer@coh.org

(1) New NSF funding opportunity: Simulated and Synthetic Data for Infrastructure Modeling (SSDIM)

Dear Colleagues:

With this Dear Colleague letter (DCL), the National Science Foundation (NSF), in collaboration with the Department of Homeland Security (DHS), announces its intention to fund EARly-Concept Grants for Exploratory Research (EAGER) proposals as well as supplements to existing relevant NSF awards from the Directorate for Engineering and the Directorate for Computer and Information Science and Engineering in support of research to develop and make available simulated and synthetic data on interdependent critical infrastructures (ICIs), and thus to improve understanding and performance of these systems.

In the context of this DCL, prospective principal investigators (PIs) are encouraged to refer to the definition of ICIs and infrastructure interdependencies in NSF’s Critical Resilient Interdependent Infrastructure Systems and Processes (CRISP) program solicitation (see NSF 16-618; https://www.nsf.gov/funding/pgm_summ.jsp?pims_id=505277).

Here, "simulated data" refers to data that are derived (via downsampling, aggregation, or other techniques) from actual data on infrastructure design and/or operations. Simulated data are typically intended to represent ICIs in an actual community. On the other hand, "synthetic data" refers to data that are produced (via simulation or other approaches) from first principles, without access to real data. Synthetic data may or may not represent ICIs in an actual community, but are intended to be plausible representations of actual or possible ICI designs or processes.

This DCL invites proposals for research that would contribute significantly to the scientific basis of simulated and synthetic data on ICIs. Representative topics include but are not limited to the following:

• mathematical foundations, including algorithms and heuristics for creating simulated or synthetic data;  
• development of specific data creation techniques, such as localization/homogenization and downsampling/aggregation;  
• approaches to data verification and validation;  
• innovations in data science and engineering (e.g., data integration, fusion, scaling);  
• model-based and other approaches to simulation of plausible network topologies; and  
• incorporation of existing or new approaches for simulating data on human cognition and/or behavior within ICIs.

Proposals should address mechanistic and human aspects within at least two distinct critical infrastructures, along with interdependencies among them; proposals that do not address interdependencies or that address only human or only mechanistic aspects of infrastructures will not be considered. PIs are encouraged to propose research that considers a broad range of ICIs.

Proposed work may produce data on physical, economic, or other characteristics of ICIs. Proposers should articulate how the data they produce can support improved understanding and prediction of the interactions between ICIs and the populations they serve, as well as how these data can contribute to better understanding of demand for ICI-based services. EAGER proposals must include a Data Management Plan that discusses plans for generating and publishing at least one open-access data set from the results of the funded research, as well as any computer code or related tools used to generate and analyze these data. Proposals should also address how these data may be leveraged...
Proposals may be submitted either as EAGER proposals or as requests for supplements to existing awards. See the NSF Proposal & Award Policies & Procedures Guide (PAPPG) for guidelines and expectations for these types of proposals. In addition:

- For EAGER proposals pursuant to this DCL, the anticipated award size will be up to $300,000, (award size, however, will be consistent with the project scope and of a size comparable to grants in similar areas), and
- For supplements to existing awards pursuant to this DCL, the maximum award size will be limited to 20% of the original award or $300,000, whichever is smaller, subject to availability of funds.

For either type of proposal, interested PIs must contact one of the individuals listed below prior to submission to discuss the scope of the submission:

David Mendonca, Program Manager, Infrastructure Management and Extreme Events National Science Foundation mendonca@nsf.gov, (703) 292-7081


EAGER proposals and requests for supplemental funding must be submitted by June 1, 2017, using NSF Program Element Code PD 17-1638. Earlier submissions are encouraged and decisions will be made on an ongoing basis.

Sincerely,

Barry W. Johnson
Assistant Director (Acting)
Directorate for Engineering

Jim Kurose
Assistant Director
Directorate for Computer and Information Sciences and Engineering

(2) NSF Alliances for Graduate Education and the Professoriate

www.grants.gov/web/grants/

The Alliances for Graduate Education and the Professoriate (AGEP) program seeks to advance knowledge about models to improve pathways to the professoriate and success for historically underrepresented minority doctoral students, postdoctoral fellows and faculty, particularly African Americans, Hispanic Americans, American Indians, Alaska Natives, Native Hawaiians, and Native Pacific Islanders, in specific STEM disciplines and/or STEM education research fields. New and innovative models are encouraged, as are models that reproduce and/or replicate existing evidence-based alliances in significantly different disciplines, institutions, and participant cohorts. The AGEP program goal is to increase the number of historically underrepresented minority faculty, in specific STEM disciplines and STEM education research fields, by advancing knowledge about pathways to career success.

The program objectives include: To support the development, implementation and study of innovative models of doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields; and to advance knowledge about the underlying issues, policies and practices that have an impact on the participation, transitions and advancement of historically underrepresented minorities in the STEM academy. The AGEP Transformation Alliance projects are collaborative research projects representing new strategic alliances of institutions and organizations to develop, implement, and study evidence-based models to transform doctoral education, postdoctoral training, and faculty advancement for historically underrepresented minorities in specific STEM disciplines and/or STEM education research fields. Embedded social science and education research contributes to the knowledge base about how transformational models eliminate or mitigate negative factors and promote positive policies and practices for historically underrepresented minorities. AGEP addresses academic workforce development in a broadening participation and institutional capacity building context. Strategic collaborations are encouraged with multiple
academic partners, the private sector, non-governmental organizations, professional organizations, government agencies, national laboratories, field stations, teaching and learning centers, informal science centers, and other relevant STEM and/or STEM education research organizations.

The AGEP program encourages project leadership by, and partnerships with, all types of minority serving institutions, such as majority minority serving institutions, historically black colleges and universities, high Hispanic enrollment institutions, tribal colleges and universities, and institutions serving native Hawaiians, native Pacific Islanders, and/or Alaskan natives.

Note to students and postdoctoral scholars seeking support: The AGEP program does not make awards to individual students or postdoctoral scholars to undertake their education or research activities. Undergraduates and graduate students seeking support for graduate education should review the NSF Graduate Research Fellowship program (GRFP) (nsfgrfp.org). Postdoctoral scholars seeking support should review the NSF postdoctoral programs summarized at www.fastlane.nsf.gov/servlet/fastlane.pdoc.DisplayProgramType. Additionally, some NSF Directorates may have special funding opportunities to support students and postdoctoral trainees that contribute to broadening participation in STEM. NSF principal investigators seeking funds to support students and postdoctoral trainees, who are members of historically underrepresented minority groups, are encouraged to contact their NSF program officer for information on potential opportunities.

(3) NIH: Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors

Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors (U01) grants.nih.gov/grants/guide/rfa-files/... This Funding Opportunity Announcement (FOA) encourages applications to support Research Projects studying factors that influence key health behaviors at the individual level, using intensive longitudinal data collection and analytic methods. The network will also assess how study results can be leveraged to introduce innovations into longstanding behavioral theories to advance the field of theory-driven behavior change interventions.

Intensive Longitudinal Analysis of Health Behaviors: Leveraging New Technologies to Understand Health Behaviors (U24) grants.nih.gov/grants/guide/rfa-files/... This Funding Opportunity Announcement (FOA) invites applications to establish a Research Coordinating Center (RCC) to facilitate and support the Intensive Longitudinal Health Behaviors Initiative. The goal of this initiative is to support collaborative research projects studying factors that influence key health behaviors at the individual level, using intensive longitudinal data collection and analytic methods, as well as to further advance research through the broad dissemination of data with the research community, as appropriate. The network will also assess how study results can be leveraged to introduce innovations into longstanding behavioral theories to advance the field of theory-driven behavior change interventions. The RCC will coordinate common activities of the network including communications, meetings, governance, and the development of methods harmonization, data integration, and dissemination.

(4) NIH: Secondary Analysis and Integration of Existing Data to Elucidate the Genetic Architecture of Cancer Risk and Related Outcomes (R01)

(PA-17-239)
National Cancer Institute
National Human Genome Research Institute
National Institute of Dental and Craniofacial Research
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.

(5) NIH: Core Infrastructure and Methodological Research for Cancer Epidemiology Cohorts (U01)

(PAR-17-233)
National Cancer Institute
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.

This FOA is designed to support basic CEC infrastructure. Support for hypothesis-based scientific research should be sought through other funding mechanisms, such as investigator-initiated R01 and P01 grants. Research projects addressing specific scientific questions are NOT appropriate for this FOA.

Specific core functions that can be supported for the existing cohorts include, but are not limited to:

- Follow-up (active and passive) of enrolled participants;
- Efforts to maintain high retention and encourage study participant engagement;
- Validation, quality control, standardization, harmonization, and/or calibration of data across cohorts;
- Biospecimen management and collection;
- Additional data collection to supplement existing information;
- Data management, and administrative and communication tasks;
- Preparation and distribution of data and specimens to other investigators;
- Utilization of modern approaches, such as mobile web-based technologies for data collection and storage; and
- Support for staff related to cohort maintenance and operation.

**(6) NIH/FDA**

Center for Coordination of Analytics, Science, Enhancement, and Logistics (CASEL) in Tobacco Regulatory Science (U54)  
(RFA-OD-17-002)  
National Institutes of Health  
U.S. Food and Drug Administration, Center for Tobacco Products  
Food and Drug Administration  
National Institute on Drug Abuse  
Office of Disease Prevention  
Application Receipt Date(s): July 19, 2017, by 5:00 PM local time of applicant organization.

**Funding Opportunity Purpose**

This Funding Opportunity Announcement (FOA) solicits applications for a Center for Coordination of Analytics, Science, Enhancement, and Logistics (CASEL) in Tobacco Regulatory Science. CASEL will support the scientific research programs funded by the Food and Drug Administration (FDA) Center for Tobacco Products (CTP), and will facilitate synthesis, coordination and communications of research and career enhancement within those programs. The overall objective of CASEL is to support research programs that can inform the FDA CTP in tobacco product regulatory activities and actions. Through leadership, coordination, and facilitation of collaborative efforts, CASEL can accelerate the advancement of science relevant to the Family Smoking Prevention and Tobacco Control Act (FSPTCA).

The NIH and the FDA have formed an interagency partnership to foster research relevant to FDA's tobacco regulatory authorities. The award under this FOA will be administered by the NIH using designated funds from the FDA CTP for tobacco regulatory science mandated by the Family Smoking Prevention and Tobacco Control Act (FSPTCA), Public Law 111-31.

**(7) Growing Convergence Research at the National Science Foundation**
One of the 10 Big Ideas (and therefore, top priorities) for future National Science Foundation Investments is growing convergence research. Specifically, NSF is interested in data science and is accepting proposals for their Harnessing the Data Revolution for 21st Century Science and Engineering (HDR) Initiative. If you'd like to know more about these opportunities, read the text below or check out Dear Colleague Letter: Growing Convergence Research at NSF (nsf17065) | NSF - National Science Foundation. Note that the due date is May 15. Best of luck to you all!

Harnessing the Data Revolution for 21st Century Science and Engineering (HDR)

To generate a true data revolution, there is a need for education and training opportunities to create teams of data scientists and disciplinary researchers that can not only work together, but also think together. Past work has shown that data science lacks maximal impact without the knowledge, involvement, and collaboration of those who have a deep understanding of the problem. NSF is seeking to encourage workshops to address the transdisciplinary education and training agenda for HDR. Workshops could explore whether there is an emerging core shared framework of data science; whether aspects of data science are discipline independent and, thus, applicable to all situations; and which aspects are discipline-specific. For each case, what is the corresponding set of education/training topics? Next-generation data scientists must work in partnerships with scientists in other areas and be equipped with a language and framework that makes these partnerships fruitful. A properly educated/trained data scientist must be aware of the general as well as the specific nature of issues in data analysis, and also be attentive to the socio-technical concerns that may arise.

HDR Workshop proposals submitted in response to this DCL must be submitted to the Critical Techniques, Technologies, and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering (BIGDATA) program and include the prefix "Convergence HDR:" in front of the proposal title. HDR Workshop awards will provide up to one year of support for projects that do not exceed $100,000 in total. For full consideration, HDR Workshop proposals should be received under the BIGDATA program by May 15, 2017.

(1) Women in Statistics and Data Science Conference: Abstract Submission Closes April 20

Be Part of the First WSDS on the West Coast

Abstract Submission Closes Thursday, April 20

With concurrent and speed session abstract submission closing soon, this is the last chance to join the conversation in La Jolla, California!

Whether you are pursuing your education, are early in your career, or are a more experienced professional, WSDS 2017 is the place to present your life’s work or share your perspective on the role of women in today’s statistics and data science fields.
We’re particularly excited for WSDS 2017 because it’s the first time the conference has been offered on the West Coast, providing participants with the opportunity to connect with a new audience. It could be the largest WSDS yet, so don’t miss the April 20 deadline to be part of the program.

(2) Conference on Statistical Practice Short Course and Tutorial Proposals Now Being Accepted

PORTLAND, OREGON • FEBRUARY 15–17, 2018
CONFERENGE ON STATISTICAL PRACTICE

Short Course and Tutorial Proposals Now Being Accepted
Proposal Submission Deadline: May 11
Abstract Submissions Open in May, July

Do you have a half- or full-day short course or two-hour tutorial you would like to teach at the 2018 Conference on Statistical Practice in Portland, OR? It’s time to write up a proposal to share your knowledge!

In addition to being part of the program, instructors also receive:

Waived conference registration
$1,000 honorarium (full-day course)
$500 honorarium (half-day course)
$250 honorarium (two-hour tutorial)

The honorarium listed is per course or tutorial. If there is more than one instructor, the honorarium will be divided equally among instructors, unless other arrangements are made.

Each year, CSP provides participants with opportunities to learn new statistical methodologies and best practices, helping hundreds of statistical practitioners and data scientists. Be part of the program!

All Program Participation Dates:

Short Course and Tutorial Proposal Submission: April 6–May 11
Concurrent Abstract Submission: May 16–June 22
(3) National Academy of Sciences: Envisioning the Data Science Discipline: The Undergraduate Perspective

Register

Date and time: Tuesday, April 25, 2017 2:00 pm
Eastern Daylight Time (New York, GMT-04:00)

Change time zone

Tuesday, April 25, 2017 11:00 am
Pacific Daylight Time (San Francisco, GMT-07:00)

Panelist(s) Info: Laura Haas, IBM (study co-chair)
Alfred Hero, III, University of Michigan (study co-chair)
Other TBD

Duration: 1 hour

Description: The National Academies of Sciences, Engineering, and Medicine is conducting a study on Envisioning the Data Science Discipline: The Undergraduate Perspective. The study committee needs your help in identifying key issues impacting how data science is taught. This webinar will discuss the study's plans and solicit your input on directions and topics the study should examine.

(4) Causal inference short course at Harvard

An Introduction to Causal Inference: This 5-day course introduces concepts and methods for
causal inference from observational data. Upon completion of the course, participants will be prepared to further explore the causal inference literature. Topics covered include the g-formula, inverse probability weighting of marginal structural models, g-estimation of structural nested models, causal mediation analysis, and methods to handle unmeasured confounding. The last day will end with a “capstone” open Q&A session.

**Instructors:** Miguel Hernán, Judith Lok, James Robins, Eric Tchetgen Tchetgen & Tyler VanderWeele

**Prerequisites:** Participants are expected to be familiar with basic concepts in epidemiology and biostatistics, including linear and logistic regression and survival analysis techniques.

**Tuition:** $450/person, to be paid at the time of registration. Tuition will be waived for up to 2 students with primary affiliation at an institution in a developing country.

See website for more details

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(5) **SAMSI QMC Opening Workshop**

Registration is now open for the SAMSI QMC Opening Workshop, 28 August - 1 September 2017 Raleigh-Durham (RDU), North Carolina, USA

www.samsi.info/qmc-ow

The Opening Workshop marks the official start of the 2017-18 SAMSI Program on Quasi-Monte Carlo and High-Dimensional Sampling Methods for Applied Mathematics. The first workshop day consists of tutorials that introduce QMC methods, followed by a poster reception. The remaining days feature research presentations, discussion panels, and the formation of (virtual) research working groups.

Workshop topics:
High-dimensional numerical integration and approximation; low discrepancy and other high-dimensional sampling schemes; information-based complexity; partial differential equations (high-dimensional, random coefficients); digital nets, lattice rules, and their randomization; as well as applications of QMC to: uncertainty quantification, stochastic wave propagation, Bayesian computations, and industrial problems.

Organizers:
Art Owen (Stanford), Frances Kuo (New South Wales),
Fred Hickernell (Illinois), Pierre L'Ecuyer (Montreal)

More information is available at: www.samsi.info/QMC
Send questions to: qmc@samsi.info

(6) **Neuroimaging workshop at the University of Minnesota**

The Institute for Research on Statistics and its Applications will be hosting a neuroimaging workshop on May 5-6, 2017. For more information see the attached flyer or visit

[Neuro-Statistics: The Interface Between Neuroimaging and Statistics](#)

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(1) **Call for Nominations 2017 ACM SIGKDD Doctoral Dissertation Award**

ACM SIGKDD dissertation awards recognize outstanding work done by graduate students in the
areas of data science, machine learning and data mining. The nomination deadline is April 30, 2017. (More Information)

No new announcements this week.