Caucus of Academic Reps (CAR) Weekly Digest
August 29, 2017

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**Positions**

(1) **Miami University, Department of Statistics: two tenure-track assistant professor positions**

Tenure-track Assistant Professor (two positions available) to teach undergraduate and graduate courses in statistics; conduct methodological and collaborative research leading to publication; provide academic advising; supervise student research; serve on graduate examination committees; provide service to the institution.

Require: Doctorate in statistics, biostatistics, or closely related field by date of appointment.

Consideration will be given to candidates who enhance the university’s data analytics profile; have an excellent record in, or potential for, methodological and collaborative research; have an interest in teaching a wide variety of statistics courses; who have experience teaching face-to-face courses; can collaborate with faculty across the university in the area of big data; and those with expertise in one or more of the following areas:

- data visualization
- statistical programming
- statistical learning
- experimental design
- survey methods
- time series analysis
- Bayesian methods.

Submit letter of interest, curriculum vitae, statement of research plans, teaching philosophy and transcript to [https://miamioh.hiretouch.com/job-details?jobID=4565](https://miamioh.hiretouch.com/job-details?jobID=4565). For inquiries about posting, contact statsearch@miamioh.edu. Screening of applications will begin October 16, 2017 and will
continue until the position is filled. Letters of reference will be requested from references listed in application; at least one letter must address the candidate’s teaching ability or potential.

(2) Medical College of George at Augusta University: Endowed Chair in Population Health Sciences

The Medical College of Georgia (MCG) at Augusta University (AU) invites nominations and applications for an endowed senior faculty position in the area of population health, with expertise that integrates two or more of the following and/or other complimentary areas into an innovative population health research and service program:

- Big Data
- Community Health
- Epidemiology
- Health Disparities
- Health Economics
- Health Services and Delivery
- Telehealth

AU-MCG is seeking an exceptional individual with an international reputation and major national presence by virtue of sustained NIH and other federal, foundation and industry funding, positions on editorial boards, NIH study sections and other leadership positions. Demonstrated success in university/industry partnerships, technology transfer and business development would be a plus. The successful candidate will be expected to establish and develop research programs that complement existing initiatives at AU. Although the primary effort will be to conduct research, the successful applicant for this position will also be expected to participate in the typical range of academic activities such as clinical and “connected health” services and/or educational service. Candidates must hold an MD, PhD, DrPH, combination and/or equivalent, and must be eligible for faculty appointment at the associate/full professor level. The primary appointment will be in the Department of Population Health Sciences.

The newly established Department of Population Health Sciences at MCG strives to build a transdisciplinary research infrastructure, educational programs, and community partnerships to improve the health of all populations. It is the home of the Georgia Prevention Institute, which has over a thirty-year history of active research programs in areas including cardiovascular diseases, cancer, diabetes, fitness, kidney diseases, lung diseases, minority health, nutrition, stress, and substance abuse.

MCG, Georgia’s only public medical school, has a long tradition of excellence in education and clinical care and is the founding school of AU, one of four research-intensive universities in the University System of Georgia. Founded in 1828, MCG is one of the nation’s first medical schools, the 8th largest in the nation for total enrollment, and has helped enhance healthcare in Georgia and beyond through education, discovery and service. MCG has 22 academic departments, 922 medical students, 510 residents training in 47 programs, 897 faculty members, 125 postdoctoral fellows, and 773 staff members.
Augusta, a charming Southern city and home of the world-renowned Master’s golf tournament, is a superb place to live with a low cost of living and a short drive to both the Georgia/Carolina mountains and the Georgia/Carolina/Florida coast. Salary and fringe benefits package are highly competitive.

Nominations and other inquiries related to this position can be directed to the search committee co-chairs.

Jeffrey Switzer, DO, MCTS, FAHA Varghese George, PhD
Professor Professor and Chair
Director of Telestroke & Teleneurology Department of Population Health Sciences
Department of Neurology Medical College of Georgia
Medical College of Georgia Augusta University
Augusta University Email: vgeorge@augusta.edu
Email: jswitzer@augusta.edu

Applications (including full CV and letter of research interest/career plans) may be submitted electronically to AU Executive Search c/o Sharon Wingard, Executive Search Consultant, Augusta University: executivesearch@augusta.edu

The final candidate will be required to provide proof of completed academic degrees in the form of original transcripts. Those candidates trained by a foreign institution will also be required to provide an educational/credential evaluation.

(3) Medical College of Georgia (MCG) at Augusta University (AU), Department of Population Health Sciences: tenure track faculty position in Biostatistics or Data Science

The Department of Population Health Sciences in the Medical College of Georgia (MCG) at Augusta University (AU) invites applications for a tenure track faculty position in Biostatistics or Data Science at the Assistant or Associate level. Applicants must have a Ph.D. with background and demonstrated interest in Computational Biology and Big Data. Interest and ability in active collaboration with other investigators in biomedical and population 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 Population Health Sciences in the Medical College of Georgia is the home of the Division of Biostatistics and Data Science, Division of Epidemiology, and the Georgia Prevention Institute. It offers pre- and postdoctoral training programs in Biostatistics. Immediate future plans include developing graduate programs in Data Science, Epidemiology and Population Health. The new faculty member 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, Institute of Public and Preventive Health and Sickle Cell Center provide rich opportunities for interdisciplinary research.

The Institution: MCG, Georgia’s only public medical school, has a long tradition of excellence in education and clinical care and is the founding school of AU, one of four research-intensive universities in the University System of Georgia. Founded in 1828, MCG is one of the nation’s first medical schools, the 8th largest in the nation for total enrollment, and has helped enhance healthcare in Georgia and
beyond through education, discovery and service. MCG has 22 academic departments, 922 medical students, 510 residents training in 47 programs, 897 faculty members, 125 postdoctoral fellows, and 773 staff members.

The Community: Located in the east central region along the banks of the Savannah River, Augusta is a charming Southern city and home of the world-renowned Master's golf tournament. It is a superb place to live, with a low cost of living and a short drive to both the Georgia/Carolina mountains and the Georgia/Carolina/Florida coast. 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 Population Health Sciences
E-mail: VGeorge@Augusta.edu
www.augusta.edu/mcg/biostatepi/

(4) NSF SBE Directorate: Director, Division of Behavioral and Cognitive Sciences (BCS)

Directorate for Social, Behavioral, and Economic Sciences (SBE)

The Director of the Division of Behavioral and Cognitive Sciences provides leadership and direction to the Division, which is responsible for funding research that develops and advances scientific knowledge about the brain, human cognition, language, social behavior, and culture including research on the interactions between human societies and their environments. BCS programs consider both disciplinary and interdisciplinary proposals. The Division Director is expected to assess the needs and trends involving the scientific areas within the domains of the Division. The incumbent implements overall strategic planning and policy setting for the Division, provides leadership and guidance to Division staff members, determines funding requirements, prepares and justifies budget estimates, balances program needs, allocates resources, oversees the evaluation of proposals and recommendations for awards and declinations, and represents SBE to internal working groups and NSF to relevant external groups. The BCS Division Director fosters partnerships with other Divisions, Directorates, Federal agencies, scientific organizations, and the academic community. The Division Director also oversees performance management of the scientific and administrative staff. Additional information about BCS can be found at https://www.nsf.gov/div/index.jsp?div=BCS.

Appointment will be considered for one of the following tracks: Permanent Career Senior Executive Service, Limited Term Senior Executive Service, and Intergovernmental Personnel Act (IPA).


Applications must be received by September 29, 2017.

(5) Wake Forest School of Medicine, Dept. of Biostatistical Sciences: Postdoc position

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, epidemiology, 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. Wake Forest Baptist Medical Center is an Affirmative Action and Equal Opportunity Employer with a strong commitment to achieving diversity among its faculty and staff. EOE/AA: Minorities/Females/Disabled/Vets.

(6) Johns Hopkins Sidney Kimmel Comprehensive Cancer Center, Division of Biostatistics and Bioinformatics: Postdoc position

A postdoctoral position is available in the Division of Biostatistics and Bioinformatics at the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins. We are seeking for highly motivated individuals to develop and apply novel statistical methods for evaluating diagnostic tests and biomarkers, identify sources of misdiagnosis and eliminate preventable patient harms from diagnostic errors. The successful candidate will join a multidisciplinary team of researchers who focus on medical diagnosis, precision medicine and electronic health records, with the primary mentor from biostatistics. The main responsibility of this position is statistical methodology development and its computational implementation. The successful candidate will also have the opportunity for collaborative projects with faculty in the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins and in the Armstrong Center for Diagnostic Excellence on projects related to diagnostic accuracy. Our research team has database and visualization experts to help preprocess medical care data and to potentially present the statistical model in an interactive or dynamic fashion. The successful candidate is encouraged to take advantage of these resources.

Qualifications: Candidates should have a strong quantitative background with a doctorate in biostatistics, statistics, or a related discipline. Strong programming skills, ideally in R, are required. Experience in statistical methods for medical diagnosis, survival analysis and electronic health records are preferred.

Application Information: Please send your CV, letter of intend including a brief summary of past/current research, writing sample if available (published or arxiv/biorxiv paper) and three reference letters to Dr. Zheyu Wang at wangzy@jhu.edu
Salary Range: Competitive and depends on research experience.

Benefits: [https://benefits.jhu.edu/](https://benefits.jhu.edu/)

The expected starting date is December 1st, 2017.

### (7) Elon University: Assistant Professor in Statistics

The Department of Mathematics and Statistics at Elon University seeks applicants for a tenure-track assistant professor position in Statistics to begin mid-August 2018. The successful candidate must have a PhD in statistics, statistics education, or related field by August 2018. Candidates with experience using SAS or R in the classroom are encouraged to apply.

Teaching responsibilities will include courses in the statistics major, Statistics in Application (with SAS), Introduction to Statistical Reasoning, and courses in Elon’s Core Curriculum program. Candidates must demonstrate the potential for excellence in engaging students through teaching and undergraduate mentoring in a liberal arts setting. Faculty members typically teach six four-credit courses per year, with occasional course reassignment opportunities available. In addition, candidates must demonstrate a record of, or potential for, a program of high quality scholarly activity and service. For more information about the department and its curriculum, visit the department’s website at: [www.elon.edu/u/academics/arts-and-sciences/...](http://www.elon.edu/u/academics/arts-and-sciences/...).

Applications must be received by October 15, 2017 to be assured of consideration. Send letter of application, CV, statements of teaching philosophy and research interests, evidence of teaching effectiveness, unofficial transcripts, and three letters of recommendation to the Search Committee Chair at the email set up for the search ([elonmathstats@elon.edu](mailto:elonmathstats@elon.edu)). Letters of recommendation must be e-mailed directly from each reference with your name in the subject line.

### (8) Yale School of Public Health: postdoctoral positions

Two postdoctoral positions in statistics and quantitative epidemiology are available in Forrest W. Crawford’s group in the Department of Biostatistics at the Yale School of Public Health. [http://www.crawfordlab.io/](http://www.crawfordlab.io/)

Position details: Successful candidates will work with Professor Crawford on projects related to network-based epidemiology, causal inference, semi-parametric models, phylogenetics, stochastic processes on networks and graphs, randomized experiments, network communication processes, or network sampling.

Qualifications and skills: PhD in statistics, biostatistics, mathematics, economics, computer science, operations, epidemiology, or related quantitative discipline. Strong programming skills.

Benefit and Compensation Information: We offer a competitive salary and benefits package. Compensation will be commensurate with experience.

Application instructions: Please send a cover letter explaining your qualifications and interests, along with a current CV and contact information for three references to [forrest.crawford@yale.edu](mailto:forrest.crawford@yale.edu). Applications will be accepted until the positions are filled.

For further information about our school, please visit [http://publichealth.yale.edu](http://publichealth.yale.edu)
The Department of Biostatistics and Bioinformatics at the Rollins School of Public Health, Emory University invites applications for one postdoctoral fellow under the supervision of Dr. Howard Chang and Dr. Lance Waller.

The successful candidate will develop and apply spatio-temporal statistical methods for infectious disease surveillance. Specifically, the project aims to provide statistical methods and tools for reducing spatial uncertainty in disease measures by leveraging data across multiple surveillance systems and across multiple diseases. With guidance from US collaborators and the China CDC, methods will be applied to four infectious diseases of global importance: tuberculosis, malaria, schistosomiasis and hookworm. The candidate will join an interdisciplinary research team focused on spatio-temporal biostatistics and has opportunities to collaborate with other researchers in environmental health, disease ecology, climate science, and spatial epidemiology. Publications in peer-reviewed journals and presentations at scientific meetings are expected and encouraged. The position is available immediately and a later start date (e.g. Spring 2018) will be considered.

The candidate must hold or is expected to receive a PhD or equivalent in Statistics, Biostatistics, Epidemiology, Computer Science, or other related quantitative discipline. Prior experience in infectious disease epidemiology, Bayesian hierarchical modeling, statistical computing, or spatial statistics is desirable but not necessary. Candidates should be capable of working independently and possess excellent written and verbal communication skills.

To apply, please email CV, a statement of research interests, and contact information of three references to Howard Chang (hhchang@emory.edu).

The Department of Epidemiology and Biostatistics, School of Public Health, University of Maryland, College Park (www.sph.umd.edu/EPIB) invites applications for an Assistant Professor tenure-track position in Biostatistics.

Qualified candidates should possess a doctoral degree in biostatistics or statistics and submit a record of scholarly achievement in biostatistics or statistics that supports a tenure-track position at the Assistant Professor rank. Candidates should demonstrate the potential to develop and conduct an independent research program in biostatistical methodology with direct application to public health issues. The ability to work collaboratively with colleagues in the department, the school, and the University is highly desirable. We are particularly interested in candidates with expertise such as multilevel modeling, applied multivariate methods, and survey data analysis. Qualified candidates will have demonstrated the ability to teach undergraduate and graduate level biostatistics courses, mentor graduate students, and collaborate on research projects.

Successful candidates for the positions are expected to develop a nationally recognized research program (or show the potential to do so), engage in extramurally-funded multidisciplinary research, teach biostatistics courses to undergraduate and graduate students at fundamental and intermediate
levels, mentor graduate students, and engage in university and professional service. Effective interpersonal, communication, and collaborative skills are essential.

This is a 9-month tenure-track appointment; salary is competitive and commensurate with qualifications and experience. Funding is guaranteed for 9 months annually, with the potential to extend salary support to 12 months with external funds. Appointments may begin August 2018 or a mutually agreed-upon date.

Applicants must apply electronically to https://ejobs.umd.edu, faculty section, position #112966. For best consideration, candidates should submit materials by October 8, 2017. Applications will be accepted until the position is filled.

(11) US Department of Transportation: Data Scientist
For details, see https://www.zintellect.com/Posting/Details/3519

(12) Feinstein Institute for Medical Research, Biostatistics Unit: two positions

POSITION #1 ASSOCIATE BIOSTATISTICIAN (Masters Level)
Our growing research program requires a Masters level biostatistician to work on a variety of clinical research projects. Studies involve comparative effectiveness, medical decision models, large data set analysis, meta-analysis, prediction models, clinical trials, and clinical epidemiology. Responsibilities include: consulting, collaboration, teaching, and methods research.

Requires Masters degree in biostatistics, or equivalent. 3-5 years relevant experience.* Experience working on grants. Excellent oral and written communication skills. Good sense of humor.

Our group includes 14 statisticians and is based at the Feinstein Institute for Medical Research, Manhasset, NY - the research component of Northwell Health.

To apply: http://jobs.northwell.edu/ Apply for Job ID: 001FEU

*Applicants with less than 3 years experience will also be considered.

POSITION #2 ASSOCIATE RESEARCH STATISTICIAN (PhD Level)

Our growing research program requires a PhD biostatistician to work on a variety of clinical research projects. Studies involve comparative effectiveness, medical decision models, large data set analysis, meta-analysis, prediction models, clinical trials, and clinical epidemiology. Responsibilities include: consulting, teaching collaboration, and methods research.

Requires PhD in statistics, biostatistics, or equivalent. 3-5 years relevant experience.* Experience working on and writing NIH grants. Excellent oral and written communication skills. Good sense of humor.

Our group includes 14 statisticians and is based at the Feinstein Institute for Medical Research,
Manhasset, NY - the research component of Northwell Health.

To apply: [http://jobs.northwell.edu/](http://jobs.northwell.edu/) Apply for Job ID: 001FCW

*Applicants with less than 3 years experience will also be considered.*

**(13) Institute for Defense Analyses: statistician**

The Operational Evaluation Division at the Institute for Defense Analyses (IDA) is looking to hire a full-time statistician. A brief description is included below; the full job description is available at: [chk.tbe.taleo.net/chk01/ats/careers/v2/...](chk.tbe.taleo.net/chk01/ats/careers/v2/...)

The application period closes 9/8/17

IDA is a federally-funded research and development center that produces objective, high-impact analyses for the Department of Defense (DoD). IDA prides itself on the quality and timeliness of these analyses, and its multi-disciplinary problem-solving approach. The Operational Evaluation Division (OED) is the largest division at IDA. Its primary task is to support the DoD in evaluating how effective, suitable, and survivable weapons systems and other major defense systems are under operationally realistic conditions.

Key Responsibilities include:

- Assisting in the design, planning, and observation of operational tests of weapon systems and other major defense systems
- Providing quantitative analytic support to the government sponsor and other researchers within OED
- Communicating information about test design methods and findings from operational tests to the government sponsor
- Developing methods for dealing with the challenges of operational testing and improving data quality (e.g., small sample sizes, safety constraints, operational realism)
- Developing materials to educate the operational test community (e.g., quantitative and qualitative analysis techniques)

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**Funding opportunities and information**

**(1) AAAS Science & Technology Policy Fellowships**

Join the AAAS Science & Technology Policy Fellowships (STPF) on August 31 at 2:00 pm ET to hear from midcareer policy fellows as they share why midcareer was the right time to apply and how it’s impacted their career. You’ll also have a chance to ask fellows questions and learn more about the fellowships.

STPF is the premier opportunity for mid- to senior career scientists and engineers to learn first-hand about policymaking, apply mature scholarship to real world policy problems, bring valuable expertise to policy and heighten science and engineering in the federal government.
Fellows serve yearlong assignments in all three branches of the federal government in Washington, D.C. and represent an array of backgrounds, disciplines and career stage.

Application deadline for the 2018-19 fellowship year is November 1, 2017. You must be a U.S. citizen and have a doctoral level degree. Applicants with an M.S. in engineering and three years of professional experience also qualify.

RSVP for the chat. Click here to hear fellows share tips about the interview process.

For more information and to apply, visit our website.

Please share broadly with your networks.

(2) NSF Director’s Notes for August

Please see NSF Director France Córdova’s monthly notes.

http://mailchi.mp/science360/nsf-directors-notes-may-1337113?e=845c412d7e

(3) Biostatistics training opportunity: methodology for clinical trials in imaging

Summary: We are seeking applications for a PhD-level biostatistician interested in conducting methodological or collaborative research in radiology/imaging clinical trials to attend a clinical trials methodology workshop for imagers at the Marriott Resort in Coronado, California from January 6-12, 2018. The workshop presents an excellent opportunity for a biostatistician, interested in imaging clinical trials, to learn the relevant methodology and gain experience collaborating with radiologists and imaging specialists. The biostatistician attendee will shadow biostatistics faculty members to observe the collaborative process of developing clinical trials in radiology, in addition to learning the methodological aspects of this field. An award given by the Biometrics Section of the American Statistical Association will cover up to $3,000 in travel costs.

Background: Each year the Radiology Society of North America (RSNA) holds an intensive one-week workshop on clinical trial methodology for faculty members and fellows in radiology, radiation oncology, and nuclear medicine academic departments. The workshop provides hands-on training in the design, conduct, analysis, and interpretation of clinical trials in radiology and imaging through didactic sessions, one-on-one mentoring, small discussion sessions, self-study, and protocol development workgroups. A special methodological curriculum infused with statistical and methodological concepts and examples was developed for this course. This prestigious workshop has a distinguished group of 20 MD and PhD faculty members (including 5 PhD biostatisticians) with extensive experience in radiology clinical trials, providing a student to faculty ratio close to 1:1.

Radiology is underserved by biostatisticians and could benefit from more rigorous research methods. Studies in radiology are often ill-designed, fail to include multiple institutions or readers, focus on outcomes that are not clinically relevant, and do not properly account for clustering in the data. Radiology research requires the use of unique statistical methods, including those used for the evaluation of the accuracy of diagnostic imaging tests (e.g., ROC or fROC curves), for developing prognostic models based on imaging results, and for the assessment of performance of new quantitative imaging biomarker algorithms. Research in radiology would benefit greatly from the attention of, and collaboration with, methodological biostatisticians with appropriate training.
Application process: Eligible applicants will hold a PhD degree in biostatistics or related field (e.g., statistics), with interest in the design, conduct, and analysis of imaging clinical trials. Interested applicants should email a one-page letter of interest, CV, and letter of support from their department head to Diana Miglioretti (dmiglioretti@ucdavis.edu) with "RSNA CTMW Biostatistics" in the subject line of the e-mail message. The deadline for receipt of applications is August 31, 2017. Announcement of the award will be made by October 1, 2017.

(4) Joint NSF/NIH Initiative on Quantitative Approaches to Biomedical Big Data (QuBBD)

www.imagwiki.nibib.nih.gov/funding-opportunities/...

Application Due Date: September 12th, 2017

This program is designed to support novel mathematical, statistical, or computational approaches to biomedical big data challenges. Collaborative efforts that bring together quantitative scientists and biomedical researchers are a requirement for this program and must be convincingly demonstrated in the proposal. The program is designed to foster and support new inter- and multi-disciplinary teams of investigators. The due date for full proposals is September 28, 2016.

BD2K is a trans-NIH initiative that aims to support advances in data science, other quantitative sciences, and training that are needed for the effective use of big data in biomedical research. Interested applicants are encouraged to join the BD2K listserv (list.nih.gov/cgi-bin/wa.exe?SUBED1=bd2kupdates&A=1) to receive the most up-to-date information about BD2K events and funding opportunities.

Program synopsis:

Recent advances in medical and healthcare technologies are creating a paradigm shift in how medical practitioners and biomedical researchers approach the diagnosis, prevention, and treatment of diseases. New imaging technologies, advances in genetic testing, and innovations in wearable and/or ambient sensors are allowing researchers to predict health outcomes and develop personalized treatments or interventions. Coupled with the rapid growth in computing and infrastructure, researchers now have the ability to collect, store, and analyze vast amounts of health- and disease-related data from biological, biomedical, behavioral, social, environmental, and clinical studies. The explosion in the availability of biomedical big data from disparate sources, and the complex data structures including images, networks, and graphs, pose significant challenges in terms of visualization, modeling, and analysis. While there have been some encouraging developments related to foundational mathematical, statistical, and computational approaches for big data challenges over the past decade, there have been relatively few opportunities for collaboration on challenges related to biomedical data science. The National Science Foundation (NSF) and the National Institutes of Health (NIH) recognize that fundamental questions in basic, clinical, and translational research could benefit greatly from multidisciplinary approaches that involve experts in quantitative disciplines such as mathematics, statistics, and computer science. The Quantitative Approaches to Biomedical Big Data Program is designed to support research that addresses important application areas at the intersection of the biomedical and data sciences by encouraging inter- and multi-disciplinary collaborations that focus on innovative and transformative approaches to address these challenges.

Submissions are to NSF (www.nsf.gov/pubs/2016/nsf16573/nsf16573.htm)
Submission deadline is Sept 28, 2016.

There are no LOI dates, but interested applicants can email bd2k_qubbd@mail.nih.gov with questions.

(5) Numerous NIH RFA's

Intensive Longitudinal Analysis of Health Behaviors (U01)
Link to Program Announcement: www.imagwiki.nibib.nih.gov/funding-opportunities/...
Letter of Intent Due Date: September 5th, 2017

Intensive Longitudinal Analysis of Health Behaviors (U24)
Link to Program Announcement: www.imagwiki.nibib.nih.gov/funding-opportunities/...
Application Due Date: September 25th, 2017

Modeling of Infectious Disease Agent Study Research Projects (R01)
Link to Program Announcement: www.imagwiki.nibib.nih.gov/funding-opportunities/...
Application Due Date: October 5th, 2017

Systems Science and Health in the Behavioral and Social Sciences (R01)
Link to Program Announcement: www.imagwiki.nibib.nih.gov/funding-opportunities/...
Application Due Date: October 5th, 2017

Systems Science and Health in the Behavioral and Social Sciences (R21)
Link to Program Announcement: www.imagwiki.nibib.nih.gov/funding-opportunities/...
Application Due Date: October 16th, 2017

Workshops and Conferences

(1) Data Science Education Webinar this Thursday 8/31

You are invited to participate in a webinar about data science education. This webinar is free and is funded by the National Science Foundation and is co-sponsored by the South Big Data Innovation Hub and the Georgia Tech Institute for Data Engineering and Science as part of the series "Keeping Data Science Broad: Negotiating the Digital and Data Divide."

Here is more information about the webinar.
Title: Data Science Education in Traditional Contexts

Speakers: Paul Anderson (College of Charleston), Herman "Gene" Ray (Kennesaw State University), Mary Rudis (Great Bay Community College), Karl Schmitt (Valparaiso University), and Pei Xu (Auburn University)

Date: Thursday August 31, 2017

Time: Noon EST / 11:00 AM CST / 10:00 AM MST / 9:00 AM PST

Abstract: This webinar will highlight the diversity of approaches taken by colleges, community colleges, and universities that have implemented data science education undergraduate programs.
Here are viewing instructions:

To view the webinar live, please click on this link: www.youtube.com/watch?v=VH6wmwoUejM

You do not need to RSVP in advance.

If you are unable to view the webinar live, a recording of it will be made available at the South Big Data Hub YouTube Channel: www.youtube.com/channel/UCxmSez9cqyxJ6jQhs9dRkeQ

Here is more information about the "Keeping Data Science Broad: Negotiating the Digital and Data Divide" Series:

Many research universities are already developing comprehensive data science programs at the undergraduate and graduate levels. As the movement to develop data science programs grows, a gap appears to be forming that separates the research institutions from primarily undergraduate-focused institutions (i.e. teaching institutions, community colleges, minority-serving institutions, etc.), which are mostly absent and unheard in the movement to develop data science programs. The Keeping Data Science Broad: Negotiating the Digital and Data Divide series will explore the Data Divide issue by bringing together stakeholders from teaching institutions, community colleges, tribal colleges, and minority serving institutions experiencing the divide, and will discuss challenges related to capacity building and capability. These discussions will also address developing data literacy and Data Science acumen, training data science practitioners, and translational data science. More information about the different events and activities that this series includes can be found at www.southbdhub.org/datadivideworkshop.html. We will kick off the series with a webinar at noon (Eastern Time) on 8/31, Data Science Education in Traditional Contexts which will highlight universities, teaching institutions, community colleges, and minority-serving institutions that have implemented data science education undergraduate programs as case studies for workshop participants to consider and compare to their own contexts. Webinar Panelists: Paul Anderson - College of Charleston | Gene Ray - Kennesaw State University | Mary Rudis - Great Bay Community College | Karl Schmitt - Valparaiso University | Pei Xu - Auburn University. The attached file includes more information.

(2) Electronic Undergraduate Statistics Research Conference

Registration for the Electronic Undergraduate Statistics Research Conference (eUSR) is now open! This free conference will take place on Friday, November 3rd from 12:00-5:00pm EST and is open to all undergraduate students and faculty. This is a great opportunity for students at all stages of their undergraduate career to learn more about undergraduate statistics research.

We have a great program in store. David Robinson of Stack Overflow will give a keynote address entitled "The Procrastinator’s Guide to a Data Science Career." Plenary talks will be given by the winners of the Undergraduate Statistics Project Competition. And, we hope your students will share their statistics research by creating video presentations for the virtual presentation session! Abstract submission for video presentations is open, support for video creation will be provided, and students can see example presentations by watching last year’s videos. There is also a great slate of panel discussions on industry careers, graduate school, and diversity of the statistical workforce.
Audience involvement (e.g. asking a question, participating in a poll, commenting on a video presentation) is encouraged and door prizes will be given to participants at random throughout the day.

We hope you will consider setting up a ‘satellite viewing’ location at your own institution. You can do so by reserving a classroom that is equipped with a projector and audio support, promoting the event on-campus, and possibly offering snacks.

Thanks so much to our generous sponsors: the American Statistical Association, the Consortium for the Advancement of Undergraduate Statistics Education, Google, and RStudio.

If you have any questions about eUSR, send an email to kmcconv1@swarthmore.edu.

(3) NASEM Webcast and Symposium on Data-Driven Decision Making

The abundance of large and complex data, coupled with powerful modeling techniques and analytic methods, creates tremendous opportunity for organizations and individuals to base their decisions on empirical evidence. However, to appreciate both the capabilities and limitations of these data and tools, decision makers need some understanding of data science principles. The National Academies of Sciences, Engineering, and Medicine invite you to attend our upcoming symposium and webcast on data-driven decision making that will take place on September 14, 2017 from 9:00am-5:00pm at the Keck Center in Washington, DC. The event will highlight simple principles that can support data-driven decision making and help decision makers learn the right questions to ask when presented with new analyses.

Register to Attend In Person or Online

(4) Call for Papers - 3rd IEEE Workshop on Methodologies and Tools to Improve Big Data Projects

Please consider submitting a paper (or forward to someone who might be interested).

CALL FOR PAPERS Submission deadline: October 1, 2017


The workshop will be held in conjunction with IEEE Big Data 2017 (in Boston MA, USA on Dec 11 – Dec 14, 2017).

In this workshop, we will explore methodologies, tools and frameworks that have been or need to be developed to help support big data projects. We believe that the growth in the use of big data has outstripped our knowledge of how to support teams that need to do big data projects. In fact, while much has been written in terms of the use of algorithms that can help generate insightful analysis, much less has been written about methodologies, tools and frameworks that could enable teams to more effectively and efficiently “do” big data projects. The situation is much like the early days of software
development: software was being developed but organizations had little ability to predict whether a project would be successful, on time or on budget and projects were overly reliant on the heroic efforts of particular individuals.

We invite early research results and position statements on topics including, but not limited to:

- Methodologies (agile, waterfall, other) for teams doing a Big Data project
- Software Engineering / Project Management challenges specific to Big Data projects
- Tools or frameworks to facilitate collaboration within a Big Data project
- How to evaluate the effectiveness of a data team or their methodologies
- How to ensure the quality of the results of a Big Data project
- Frameworks to describe Big Data projects and Big Data project process maturity
- Case studies on related topics of interest to this workshop

Paper submissions should be in English and not exceed 10 pages.

Accepted papers will be published / indexed as part of the IEEE Big Data conference proceedings.

IMPORTANT DATES

01 Oct 2017 - Workshop Submission Due
01 Nov 2017 - Notifications of Acceptance
11 Dec 2017 - IEEE Big Data Starts in Boston MA, USA

FOR MORE INFORMATION

Workshop chair: Jeffrey Saltz, Syracuse University (jsaltz@syr.edu)

Workshop website: http://www.MIDP.info

(5) 73rd Annual Deming Conference on Applied Statistics - December 04 - 08 2017 - Registration Opens 08/31/2017

The 73rd Deming Conference on Applied Statistics will take place at Tropicana Casino and Resort, Havana Tower, Atlantic City, NJ on December 4-8, 2017. Three (3) keynote talks from regulatory agency staff, Twelve (12) three-hour tutorial sessions as well as a poster session will be held on Monday, Tuesday and Wednesday. Two 2-day short courses will follow on Thursday and Friday. Books used in the tutorial sessions or the short courses will be sold at around 40% discount rate for attendees. The registration and online abstract submission will be opened on August 31, 2017.

For more information, please visit www.deemingconference.com

(1) Biopharm-Deming Student Scholar Award

The Biopharm-Deming Student Scholar Award was jointly established in 2015 by the ASA Biopharmaceutical Section and the Deming Conference in an effort to increase the visibility of applied statistics and encourage student participation in scientific conferences. This award will provide travel support to 2-3 students, currently enrolled in a Ph.D. degree program in Statistics or Biostatistics in the
United States, to attend the 3-day tutorial sessions at the Deming Conference and deliver a poster presentation.

The 2017 Deming conference will be held in Atlantic City, NJ from December 4 to 8, 2017, with the first 3 days devoted to 12 half-day tutorials and the last 2 days devoted to two short courses. For more details about the conference please visit [http://demingconference.com/](http://demingconference.com/).

### Eligibility Criteria

Ph.D. students in a Biostatistics or Statistics program in the United States

### Application Materials

- Completed application form
- A short personal statement (<500 words)
- Two letters of recommendation
- Resume

### How to Apply (Deadline is October 6, 2017)


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**Other opportunities or information**

(1) **(opportunity for undergraduates) Knight-Hennessy Scholars program**

As someone who works with talented students, I’d like to make you aware of the new Knight-Hennessy Scholars program, which seeks to identify high-achieving prospective graduate students from around the world who have demonstrated leadership and civic commitment, and to offer them an education at Stanford University.

The Knight-Hennessy Scholars program has the ambitious goal of developing a new generation of global leaders, and will include graduate students in departments across Stanford University, including computer science, statistics, biomedical informatics, and more.

Prospective Knight-Hennessy Scholars need to submit their application by no later than September 27, 2017. Note that applications to the desired Stanford graduate degree programs need to be submitted separately, and in some cases, may have earlier deadlines.

For more information, or to apply, prospective scholars can go to: [http://stanford.io/2uJwA1e](http://stanford.io/2uJwA1e). If you, or prospective scholars, need additional information or have questions about the Knight-Hennessy Scholars program, contact us directly at khscholars@stanford.edu or +1.650.721.0771.

Thank you, in advance, for sharing this information with prospective scholars.

Best,

Alyssa Morrison
Managing Director, Knight-Hennessy Scholars program
Stanford University
khscholars@stanford.edu
Transportation Research Board (TRB) Student Paper Competition

The Transportation Research Board (TRB) is conducting a student paper competition using the Second Strategic Highway Research Program (SHRP2) highway crash data. Please see following announcement.

Student Paper Competition: SHRP 2 Safety Data Bonanza 2017-2018 - NOW OPEN

The SHRP 2 Safety Data Program and the Transportation Research Board (TRB) Oversight Committee for Use and Oversight of SHRP 2 Safety Data, Phase 1 are sponsoring the 2017-2018 cycle of the Student Paper Competition: SHRP 2 Safety Data Bonanza.

Master's and doctoral students are invited to propose innovative ideas for utilizing the SHRP 2 Safety Data— the Naturalistic Driving Study and Roadway Information Database. The data elements that can be made available to participants are the following: reusable datasets in the SHRP 2 Naturalistic Driving Study Dataverse, InSight data, and the Roadway Information Database.

The submission window is now open. Abstract submissions are due October 29, 2017.

Selected students will conduct their proposed analysis and develop a research paper. They will also be invited to present their research at a special poster session at the Transportation Research Board 98th Annual Meeting the week of January 13–17, 2019 in Washington, DC. The TRB Annual Meeting program is expected to attract 12,000 transportation professionals from around the world. The selected students will be awarded the opportunity to write a paper for consideration of inclusion in a special edition of TRB’s Transportation Research Circular. In addition, the top two paper authors will receive TRB Student Affiliate membership for one year. 1. View full details of the competition, instructions and terms. 2. On Wednesday, September 6, 2017 at 12:00 - 1:00 p.m. EDT, the SHRP 2 Safety Data Program will hold a webinar to review the competition terms and instructions and to answer questions. View instructions to join the webinar. 3. Submit an application by Sunday, October 29, 2017.

Questions can be directed to SHRP2@nas.edu.

For user access, registration information, and additional information about the SHRP 2 Naturalistic Driving Study visit: https://insight.shrp2nds.us. For additional information about the SHRP 2 Roadway Information Database visit: www.ctre.iastate.edu/shrp2-rid.