Caucus of Academic Reps (CAR) Weekly Digest  
September 15, 2017

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Positions

(1) North Carolina State University, Department of Statistics: Tenure-Track Assistant Professor Positions

The Department of Statistics at North Carolina State University seeks to hire two tenure-track assistant professors to begin in August 2018. Exceptional candidates at the Associate and Full Professor ranks will also be considered.

Applicants with interests and expertise in theoretical or methodological research in any area of statistics or biostatistics will be considered. Candidates with interests in modern methods of data analysis are especially encouraged to apply. The ability and desire to supervise graduate student research and to pursue excellence in teaching are essential. To apply, please visit http://jobs.ncsu.edu/postings/

The Department provides a dynamic environment for teaching, research and collaborations across disciplines. Inclusiveness and diversity are academic imperatives and thus are university goals. We are particularly interested in candidates who have experience working with students from diverse backgrounds and a demonstrated commitment to improving access to higher education for students from underrepresented groups. The Department's location in the Research Triangle provides rich opportunities for interactions with industry; other universities, including Duke University and the University of North Carolina at Chapel Hill; and government agencies. Faculty enjoy collaborations with medical researchers at Duke, environmental scientists at the EPA research facility, pharmaceutical researchers at Glaxo-SmithKline, and software developers at SAS Institute, among many others. The Department is also a founding cooperator of the NSF-funded Statistical and Applied Mathematical Sciences Institute (SAMSI), located nearby in Research Triangle Park.

All applicants must have a Ph.D. in Statistics, Biostatistics or relevant field by the time of employment. Processing of applications will begin November 1, 2017, and continue until the position is filled. Questions about the position may be directed to the Search Committee Chair (stat_search@stat.ncsu.edu).

Please submit recent transcripts as part of the application process. Please upload the names and contact information for your three letters of reference at http://www.stat.ncsu.edu/references so we can track
the letters we receive from your references. All reference letters will be made available for review by
the departmental voting faculty.

(2) California State University, Northridge, Department of Mathematics: assistant professor of
statistics

The Department of Mathematics at California State University, Northridge (CSUN) has an opening for a
tenure track Assistant Professorship in Statistics, to begin in 2018. Candidates must demonstrate an
ability and commitment to teaching, mentoring, and working with a diverse student population. The
Department is particularly interested in candidates with a demonstrated strong research potential in any
of the following: high-dimensional data and statistical learning, functional data analysis, resampling and
computer-intensive statistics, spatial statistics, hierarchical modelling, biostatistics, time series analysis.
Candidates must have a PhD in Statistics or Biostatistics before the hiring date.

Applications must be submitted on-line via www.mathjobs.org. For more information about how to
submit an application, please see www.csun.edu/sites/default/files/... Send any questions to
hiring.math@csun.edu

(3) San Diego State University, Department of Mathematics and Statistics: assistant professor of
data science

The Department of Mathematics and Statistics at San Diego State University seeks applicants for a
tenure-track assistant professor position in Data Science starting in Fall 2018. Focused research areas
include but are not limited to data analytics, computational statistics, statistical visualization, large-scale
statistical analysis, and analysis of massive (big) data. PhD in Statistics/Biostatistics required. See
apply.interfolio.com/43597 for a full posting.

(4) California State University, East Bay, Department of Statistics and Biostatistics: assistant
professor position

The areas of application we seek are: Data Science, Data Visualization, Computational Statistics, and/or
Statistics Education.

Duties include teaching undergraduate and master’s level students in statistics, data science,
biostatistics, and probability theory and modeling. Undergraduate teaching includes service and general
education courses, as well as major and minor courses. In addition to teaching, all faculty have advising
responsibilities, assist the Department with administrative and committee work, and are expected to
assume campus-wide committee responsibilities.

Faculty members teach, mentor, and advise an ethnically diverse student body. Faculty members
maintain active research programs, oversee student research and consulting activities, and assist in
preparing and administering the Comprehensive Examination for the MS degrees (given twice every
year). Please note that teaching assignments at California State University, East Bay include courses
offered at the Hayward, Concord, and Online campuses.

RANK AND SALARY: Assistant Professor. Salary is dependent upon educational preparation and
experience. Subject to budgetary authorization.

DATE OF APPOINTMENT: Fall Semester 2018.
QUALIFICATIONS: Ph.D. in Statistics or equivalent, by September 2018. Candidates with successful teaching experience at the university level are preferred. Candidates should demonstrate experience in teaching, mentoring, research, or community service that has prepared them to contribute to our commitment to diversity and excellence. Additionally, applicants must demonstrate a record of scholarly activity.

APPLICATION DEADLINE: Review of applications will begin on September 18, 2017. The positions will be considered open until filled. Please submit a letter of application, which addresses the qualifications noted in the position announcement; a complete and current vita; and the names and email addresses of three references. Please also submit copies of a statement of teaching philosophy, proposed research plan, major publications, a diversity statement, and three letters of recommendation. All required documents should be submitted via Interfolio (See "Apply Now for Free," below). Questions regarding the search may be addressed to the Chair of the hiring committee at statsearch@csueastbay.edu.

For technical support: please visit https://help.interfolio.com/hc/en-us/articles/203701176-Job-Applicant-s-Guide-to-ByCommittee-Faculty-Search

(5) Georgia Tech, Stewart School of Industrial and Systems Engineering: multiple positions, open rank

The H. Milton Stewart School of Industrial & Systems Engineering of Georgia Tech in Atlanta, Georgia invites applications for multiple faculty positions. Qualified applicants with diverse backgrounds and interests are welcome. Appointments can be made at the Assistant Professor, Associate Professor, and Professor rank, commensurate with the individual's record.

The School will consider applicants from all research areas, including

- statistics, data sciences, machine learning, analytics, and optimization;
- applied probability, stochastics, simulation, and system informatics and control;
- health systems, energy, supply chains and logistics, and advanced manufacturing.

Successful candidates will be expected to lead independent research at the cutting edge of their field, build a strong sponsored research program, successfully mentor graduate students, and develop and teach undergraduate and graduate courses. Applicants must possess a Ph.D. in Industrial Engineering, Operations Research, Statistics, or a related field. Georgia Tech is building a culturally diverse faculty and strongly encourages applications from female and minority candidates.

Interested individuals should: (1) Fill out the "Faculty Candidate Application" page found at: forms.isye.gatech.edu/apply, and (2) Upload current curriculum vitae and letter of application, including a list of references. The review process will commence in September 2017.

(6) Arizona State University, School of Mathematical and Statistical Sciences: assistant professor (Job #12102)

The School of Mathematical and Statistical Sciences (SoMSS) at Arizona State University invites applications for one tenure-eligible position in statistics at the rank of Assistant Professor. Anticipated start date is Fall 2018. The Statistics program currently contains eight faculty members and the
University intends to increase the size and scope of this program significantly within the next few years. The expanded statistics group will be expected to increase its interdisciplinary, applied and core research productivity, foster growth in its teaching programs, and provide consulting services to the university and business community.

The essential duties of the position will be to conduct research on statistical theory, methodology, or applications, publish in appropriate high-quality journals, provide quality teaching and mentoring in our undergraduate and graduate programs, and participate in appropriate professional service, which includes shared mentoring of our graduate students. Applicants are required to have a Ph.D. in statistics or a closely related area by August 10, 2018. Candidates must also have demonstrated potential for excellence in research and teaching. The desired qualifications include a documented record of published research and a strong potential for grant support, a strong record of instruction and strong potential for student mentoring, and working with diverse student and/or faculty populations.

To apply, please submit the following through https://www.mathjobs.org/jobs/jobs/10752:

1. a cover letter that briefly explains the candidate’s interest in, and fit with, the position
2. a curriculum vitae
3. a personal statement addressing the candidate’s research program
4. a statement of teaching experience and philosophy
5. at least four letters of recommendation that must be submitted through mathjobs; one of these letters should address the candidate’s teaching qualifications

Informal inquiries may be sent to Dr. John Stufken (jstufken@asu.edu).

The application deadline is 5:00 pm Arizona time on November 26, 2017; only applications that are complete by the deadline will be considered. If the position is not filled, remaining applications will be considered every two weeks thereafter until the search is closed. A background check is required for employment.

(7) University of Georgia, Department of statistics: assistant professor of statistics

The Department of Statistics at the University of Georgia invites applications for a tenure-track position at the rank of assistant professor in statistics, starting August 2018. Applicants must have a Ph.D. degree in Statistics or a closely related discipline by August 1, 2018, and scholarly credentials must reflect a strong commitment to teaching and research in statistics. Successful applicants are expected to develop a research program that will be competitive for external funding.

To apply for the position, candidates should visit http://facultyjobs.uga.edu/postings/2745 and provide all of the requested information. At this site, candidates should also upload an application letter, a curriculum vita, a research summary statement that highlights an interest in and contributions to statistical research, a statement on teaching philosophy, and an unofficial copy of the graduate school transcript. Upon receipt of the application, the three references supplied by the applicant will be asked to submit letters of recommendation at the same website. Applications will be considered until the position is filled, and those received by November 26, 2017, will receive full consideration. For more information about the department and the university, please go to http://www.stat.uga.edu
Kaiser Permanente Washington Health Research Institute: Open-rank Doctorate-level Biostatistics Faculty Position

The Biostatistics Unit at Kaiser Permanente Washington Health Research Institute (KPWHRI) is seeking a doctoral-level faculty researcher in biostatistics to lead independent methodological research and to collaborate with multidisciplinary research teams on observational studies and pragmatic clinical trials in a setting with access to rich electronic healthcare data. Areas of potential collaboration include aging, behavioral medicine, cancer prevention, health informatics, immunizations, mental health, and pharmacoepidemiology.

Appointment is open rank (Assistant, Associate, or Senior level). Preference will be given to those with a demonstrated ability or strong potential to collaborate on multidisciplinary research teams and successfully lead their own research program. Applicants must have a doctoral degree (PhD or equivalent) in Biostatistics or Statistics, excellent oral and written communication skills, and a strong interest in interdisciplinary collaboration.

To apply, please submit a letter of interest, CV, and research statement to Annie Shaffer (shaffer.ax@ghc.org). Questions about the position can be directed to the Director of Biostatistics, Jennifer Nelson, PhD (nelson.jl@ghc.org). Review of applications will begin immediately. Salary and title commensurate with training and experience.

U.S. Department of State, Office of Opinion Research: two survey methodologist/statistician position

The Office of Opinion Research in the U.S. Department of State is looking for public opinion survey methodologists/statisticians—one senior and one mid-level—with strong experience in survey methodology and public opinion polls.

Where? Washington, DC

What level? GS-13 (mid-level; $94,796 - $123,234 yearly) or GS-14 (senior; $112,021 - $145,629 yearly)

We are an office of survey research and area specialists who design and conduct international public opinion research on political, economic, social, and security issues. We're looking for well-established advisers on:

- Overall survey design (including innovative research designs for challenging environments and hard-to-reach populations);
- Sampling strategies for probability-based sampling in face-to-face, telephone, and mixed mode/multiple-frame surveys;
- Estimating sampling error in complex sample designs, evaluating unit and item nonresponse, and identifying post-survey adjustments (e.g., weighting and imputation);
- Questionnaire design, including measurement conceptualization to address issues of concern to the State Department;
- Advanced multivariate analysis of public opinion data.

Successful candidates will also have excellent communication skills to be able to train other members of the staff in research design, sampling, and statistical analysis.
These jobs are open to all U.S. citizens. Our positions are within the Bureau of Intelligence and Research and will require Top Secret clearance. The U.S. Department of State will begin the clearance process when candidates are selected—candidates need not already have a security clearance to apply.

The formal posting is available on USAJOBS and is open from 9/6/2017 to 9/19/2017:
https://www.usajobs.gov/GetJob/ViewDetails/478744600

For additional information, please contact: Regina Faranda, Director, Office of Opinion Research (FarandaRD@state.gov)

(10) National Agricultural Statistics Service: two openings

The Research and Development Division of USDA’s National Agricultural Statistics Service has two opportunities.

Section Head of Survey Methodology and Technology Section

This section plans, initiates and conducts non-sampling error research to evaluate the accuracy of the Agency’s operation census and survey programs and to develop new methods. The staff utilizes cognitive interviewing techniques to develop efficient data collection instruments. The link to the full announcement may be found at
https://www.usajobs.gov/GetJob/ViewDetails/479226400

Deputy Director

The person in this position has the opportunity to participate fully in planning, formulating, developing, and implementing research programs with specific areas of responsibility. Depending upon the person’s training and interests, this could include research on sampling, estimation, statistical models, remote sensing, crop condition modeling, yield forecasting, geospatial statistics, or geographic information systems (GIS) analytics. The link to the full announcement may be found at
https://www.usajobs.gov/GetJob/ViewDetails/479223500

(11) NSF: Head of the Office of Budget, Finance and Award Management

Dear Colleague:

We have initiated a national search for the National Science Foundation's Head of the Office of Budget, Finance and Award Management (BFA). The Office Head also serves as the NSF's Chief Financial Officer (CFO).

BFA oversees NSF's budget, financial management, grants and agreements, and contracts functions and provides business, financial and analytical services to diverse stakeholders and customers, including NSF staff, members of Congress and their staffs, the executive branch, Governors and other state officials, colleges and universities, professional societies, business leaders, and the public. The Office Head/CFO is a member of the NSF leadership team and the principal advisor to the NSF Director and Deputy Director/Chief Operating Officer, and other senior managers on issues related to financial and grants management. The Office Head leads a diverse staff of over 150 contract, grants and agreements and policy specialists, accountants, systems analysts, cost analysts, program and budget analysts, large
facilities advisors, and administration support staff. Attached is a signed, PDF version of this letter, which includes an information sheet summarizing the activities and the responsibilities of the position.

Members of the search advisory committee can be found at https://www.nsf.gov/od/searches/bfa-170901/bfa_search_cmte.jsp. I appreciate that each of these very busy, very accomplished individuals is willing to lend their time and expertise to help us fill this vital position.

We seek your help in disseminating this opportunity and encouraging qualified people to apply for this crucial post. Ideal candidates must demonstrate outstanding leadership; a deep appreciation for the role that science, technology, engineering, and mathematics play in our society; a grasp of the issues and challenges involved; and the ability to serve effectively as a key member of the NSF leadership team. We are especially interested in identifying women, members of minority groups, and persons with disabilities for this vital post. Individuals from any sector — academic or government — are welcome to apply.

Please see https://www.usajobs.gov/GetJob/ViewDetails/478845200 for a full position description, and instructions on submitting an application. Applications can only be made through the USAJobs Web site, and must be submitted by October 5, 2017.

Your assistance in this very important task is appreciated.

Sincerely,

/// signed ///

France A. Córdova
Director
National Science Foundation
4201 Wilson Boulevard, Suite 1205N
Arlington, VA 22230

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**Funding opportunities and information**

(1) **Google Faculty Research Award**

Applications for the Google Faculty Research Award are due October 7: research.google.com/research-outreach.html#/.... More on Google research support (including PhD fellowships), see research.google.com/research-outreach.html#/....

(2) **Microsoft PhD Fellowship Program—Call for 2018 Fellow applications**

www.microsoft.com/en-us/research/blog/....
Microsoft Research invites exceptional students to apply for our two-year PhD fellowship program. Our fellowships are for students in computer science, electrical engineering and mathematics, as well as interdisciplinary studies intersecting with those domains such as computational biology, social sciences and economics. We encourage department heads at universities in the United States and Canada to start preparing applications now to nominate outstanding fellows for the 2018-2019 academic year.

Nominated PhD students must be in their second or third year of studies. Our award committee is particularly interested in students who are working on theses related to Systems & Networking or AI, emphasizing the disciplines of machine learning, computer vision and robotics.

This coveted fellowship provides 100 percent of tuition and fees for two consecutive academic years and provides an annual stipend of $28,000 plus $4,000 annually for professional conferences and seminars. All of our fellows are also offered the opportunity to intern with leading Microsoft researchers who are working on cutting-edge projects related to their fields of study.

Applicants to the PhD Fellowship Program must be nominated by the chair of the computer science, electrical engineering or mathematics department at their university. We'll accept up to three applicants per eligible department, per university, for a maximum of nine applications per university. Applications will be accepted between October 2 and October 16, 2017. Finalists will be invited to Microsoft for in-person interviews. We'll announce the fellowship awards in January 2018.

Learn more about the Microsoft Research PhD Fellowship Program

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### Workshops and Conferences

**(1) ICHPS Registration & Housing Open Today**

**Explore the ICHPS Program**

By connecting practitioners and methodologists with health service researchers, health economists, and policy analysts, **ICHPS 2018** engages stakeholders across disciplines—an opportunity that only comes around every two years.

**Learn More About Keynote and Plenary Speakers**

**Suchi Saria, The Johns Hopkins University**
Suchi Saria of The Johns Hopkins University will give the welcome and plenary address. Saria is assistant professor of computer science, health policy, and statistics. She was selected for the Institute of Electrical and Electronics Engineers (IEEE) Intelligent Systems 2015 “AI’s 10 to Watch” list, which acknowledges and celebrates rising stars in the field of artificial intelligence. Then in 2016, she was selected as a DARPA Young Faculty awardee and to Popular Science’s “Brilliant 10.”

Saria’s research interests are in statistical machine learning and precision health care. Specifically, her focus is on designing novel data-driven computing tools for optimizing care delivery. Her work is being used to drive electronic surveillance for reducing adverse events in the inpatient setting and to individualize disease management in complex, chronic diseases.

Robert M. Califf, Duke University School of Medicine

Robert M. Califf is Donald F. Fortin, MD, Professor of Cardiology at Duke University School of Medicine. He is former commissioner of the United States Food and Drug Administration (FDA). A nationally and internationally recognized expert in cardiovascular medicine, health outcomes research, health care quality, and clinical research, Califf has led many landmark clinical trials. He is one of the most frequently cited authors in biomedical science, with more than 1,200 publications in the peer-reviewed literature.

Califf has spearheaded multiple major initiatives aimed at improving methods and infrastructure for clinical research, including the Clinical Trials Transformation Initiative (CTTI), a public-private partnership co-founded by the FDA and Duke University. He was also principal investigator of Duke’s Clinical and Translational Science Award and the NIH Health Care Systems Research Collaboratory Coordinating Center, as well as co-principal investigator of the Patient-Centered Outcomes Research Institute Network.

Register for ICHPS!
ASA Partners with New York Times Learning Network to Launch Monthly Statistics Feature

The American Statistical Association (ASA) has partnered with the New York Times Learning Network to help students better understand and think more critically about graphs: What's Going on in this Graph? (WGOITG): www.nytimes.com/2017/09/06/learning/... A variation of their popular What's Going on in this Picture, WGOITG will be a monthly feature starting September 19 and continuing the second Tuesday of the following months (October 10, November 14) through the end of the school year in May.

Led by Sharon Hessney, the ASA team includes Corey Andreasen, Anna Bargagliotti, Chris Franklin, Stephen Miller, and Roxy Peck. A graph from a NYT news article will be presented on those dates with live moderation from 9 am-2 pm around the following questions:

* What do you notice?
* What do you wonder?
* What's going on in this graph?

On the Friday following the activity, the NYT LN will publish a follow up with details about the graph and statistical observations/lessons from Sharon and the team.

WGOITGraph? is meant to increase student's ability to analyze statistics in context. The feature's audience is middle and high school math, science, and humanities students and may also be of interest to introductory college students. The first graph is actually a map and is quite appropriate for biology and general science as well as history and geography classes. We will include several statistics "nuggets" that explain statistical concepts like what is a histogram or how was that scale made that way.

So, please spread the word to your colleagues. After all, all students should be curious about graphs and be able to critically think about them. Please also help us get the word out by sharing the announcement and the WGOITG dates with your networks (and on social media!) We also hope you'll involve students with this activity and send your comments to educinfo@amstat.org!

Technometrics Calls for Editor Applications and Nominations

The American Statistical Association and the American Society for Quality invite nominations and applications for the position of editor of Technometrics.

Technometrics contributes to the development and use of statistical methods in physical, chemical, and engineering sciences as well as information sciences and technology. These include developments on the interface of statistics and computer science such as data mining, machine learning, large databases, and so on. The journal places a premium on clear communication among statisticians and practitioners.
of these sciences and an emphasis on the application of statistical concepts and methods to problems that occur in these fields.

The *Technometrics* editor reviews new submissions and makes final decisions on which papers to accept for publication. The Editor appoints the editorial board and works with them to handle the journal's peer review process. Papers submitted to *Technometrics* are refereed using a rigorous double-blind review system.

The Editor prepares short articles on each issue's highlights, which are published in *Amstat News* (both in print or online) and writes an annual Editor's Report which is published in the journal.

The *Technometrics* Editor is provided with an online manuscript submission and tracking system, and given training in the use of the system. The system allows the Editor to review papers and assign reviewers easily, as well as to generate reports. Editors also receive funds for office supplies used in the course of the editorship.

The Editor receives significant assistance from the Editorial Coordinator, an independent contractor engaged by the ASA. The Editor also works with the production editor to create each issue and ensure timely production and publication.

The Editor works with the *Technometrics* Management Committee, which oversees and guides the operation of the journal. The Chair of the Management Committee represents the journal on the ASA's Committee on Publications.

The new Editor will serve from 2020 through 2022, with the transition beginning in 2019. During that year, the incoming Editor will handle all new submissions to the journal.

*Technometrics* editors should be active members of ASA and ASQ during their terms.

Nominations

If you know someone who would be a good candidate for the editorship of *Technometrics*, please nominate that person by sending his or her name, email address, and a brief description of his or her qualifications to eric@amstat.org. The search committee will consider your nomination along with others received.

The deadline for nominations is November 10, 2017.

Applications

Applications for the editorship should be sent electronically to journals@amstat.org, and should include a CV; the names of 3 references; and a letter of interest in the position including a brief statement of the candidate's vision for the publication, directions the candidate would pursue, and contributions she or he would make if selected as editor.

The deadline for applications is December 10, 2017.