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Positions

(1) Science and Technology Policy Fellowships

The ASA, in partnership with AAAS, and with ACM, AMS, IMS, MAA, and SIAM, announces the 2019–2020 Science and Technology Policy Fellowship (pending funding). The Fellowship focuses on data science and related expertise such as machine learning, data visualization, and causal inference to meet legislative and policymaking challenges. Fellows serve *one year* in a federal agency or on the staff of a senator, representative, or congressional committee beginning September 2019. Pending funding, three fellowships will be available. It is a tremendous opportunity to learn about the executive and legislative processes and lend statistical and scientific expertise to public policy issues.

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

(2) George Washington University Biostatistics Center, Department of Epidemiology and Biostatistics: Tenured / Tenure-Track Open-Rank Professor

The Biostatistics Center (Center) of the George Washington Milken Institute School of Public Health (SPH) is recruiting for a full-time open-rank tenure-track or tenured faculty. The successful candidate will develop a program of sponsored research at the Center with an academic appointment in the Department of Epidemiology and Biostatistics (DEB) in the Milken Institute School of Public Health. Academic rank and salary are competitive and will be commensurate with experience, qualifications, and self-funding support. GW has a strong commitment to achieving diversity among faculty and staff, and accordingly we encourage applications from members of underrepresented populations.

The successful candidate will establish an externally funded, internationally recognized, and interdisciplinary research portfolio in clinical trials, epidemiological, diagnostic studies, controlled trials in educational research, or may extend to other areas of research such as forensic statistics. The portfolio may include development of expertise and leadership in the design, conduct, analysis, and reporting of collaborative research in areas such as oncology, cardiovascular disease, infectious disease, neurology, drug addiction, or other areas of medicine. The successful candidate will also contribute to the development of statistical or clinical trial/diagnostic study methodologies. Areas of interest may include but are not limited to: pragmatic trials, SMART trials, and multi-arm multi-stage designs. The successful candidate is expected to contribute to the academic mission of the Center and DEB through teaching, mentoring students, or departmental service.

Applicants must have: a doctorate in statistics, biostatistics, or medicine; post-doctoral research experience; a track record of peer-reviewed publications; experience proposing and/or implementing funded research in clinical trials, epidemiologic studies, diagnostic studies, or randomized trials in
educational research; experience in the design, data monitoring, analysis and reporting of clinical trials or other studies; and excellent oral and written communication skills.

For information about the Center, please see: www.bsc.gwu.edu.

Additional information about the Milken Institute SPH can be found at: http://publichealth.gwu.edu/ and the DEB at: http://publichealth.gwu.edu/departments/epidemiology-and-biostatistics.

To be considered please complete an online faculty application at: http://www.gwu.jobs/postings/55369. The following documents are required:

- Cover letter including a synopsis of experience and qualifications;
- Curriculum vitae;
- Statement of research experience, interest, and plans;
- Statement of teaching experience, interest, and plans

Only complete applications will be considered. Review of applications is open and will remain ongoing until the position is filled. Three letters of reference will be requested from the position finalists. Employment offers are contingent on the satisfactory outcome of a standard background screening.

(3) George Washington University Biostatistics Center: assistant / associate research professor / Clinical Trial Statistician / Biostatistician

With an opportunity for substantial leadership responsibility in studies of international public health import.

The Biostatistics Center of the George Washington University, founded in 1972, is a leader in the statistical coordination of clinical trials conducted by the National Institutes of Health. We manage NIH research funding totaling over $60 million per year for major studies in cardiovascular disease, diabetes, maternal/fetal medicine, osteoporosis, urology, and the genetic basis for various diseases. The center has a staff of over 115 with 35 biostatisticians/epidemiologists, including 13 faculty. We are recruiting a research faculty position to participate in these and future studies. Please visit our web site at www.bsc.gwu.edu to learn more about our research.

We are seeking to hire an Assistant or Associate Research Professor with responsibilities at the Biostatistics Center, a research facility affiliated with the Department of Epidemiology and Biostatistics in the Milken Institute School of Public Health. Position involves serving as Co-Investigator on an existing grant studying diabetes or other conditions. The successful candidate will join a highly competent team of academic biostatisticians and epidemiologists, contribute to the design and analysis of major medical studies, seek substantive scientific and statistical responsibility, interact with medical investigators, participate in the publication of major papers in leading medical journals, and make an impact on issues important to public health through contributions in multiple facets of project involvement. The successful candidate will be expected to develop expertise in the design, conduct, analysis, and report of multi-center collaborative research, with the career goal of directing a research project as the principal investigator of the coordinating center with NIH funding. As a member of the faculty of the Department of Epidemiology and Biostatistics, the candidate will be expected to participate in Milken Institute School of Public Health faculty activities as well as educational activities at
the graduate level. The research projects also provide an environment rich in methodological problems, with opportunities for collaboration between faculty and graduate students.

Applicants must have a Doctorate in Statistics, Biostatistics with collaborative medical research experience and publications as a co-investigator.

To be considered please complete an online faculty application at http://www.gwu.jobs/postings/55041 and upload: 1) a Curriculum Vitae; 2) a cover letter that includes a synopsis of your experience and qualifications including any medical scientific presentations or publications; and, 3) a statement of research interest to include a statement of career goals and how this position can help you achieve those goals. Three letters of recommendation will be requested only from the finalists.

Only complete applications will be considered. Review of applications has begun and is ongoing until the position is filled. Rank and salary are commensurate with experience and qualifications. Employment offers are contingent on the satisfactory outcome of a standard background screening.

(4) Rice University: Executive Director or Co-Director, Rice Center for Transforming Data to Knowledge (D2K Lab)

The Rice Center for Transforming Data to Knowledge, informally called the D2K Lab, seeks applicants for the position of Executive Director or Co-Director. The D2K Lab is a new center within the George R. Brown School of Engineering at Rice University in Houston, TX.

The mission of the D2K Lab is to provide students with immersive, experiential learning opportunities in data science while enhancing data-intensive research at Rice and building partnerships with companies, institutions, and community organizations. This will be achieved through a series of curricular and co-curricular programs and events for students that connect them to real world data science problems from partners and clients. The D2K Lab will work closely with data science oriented departments in the School of Engineering (Statistics, Computer Science, Computational and Applied Math, and Electrical and Computer Engineering) and all D2K Lab experiential learning courses will be embedded into existing or newly created academic programs and degrees.

The Executive Director or Co-Director will have oversight over all activities to implement the strategic vision of the D2K Lab. We are looking for a dynamic individual with strong visionary leadership and excellence as a data science manager, educator, and / or researcher. The Executive Director or Co-Director will oversee overall operation of the D2K Lab and help build and foster partnerships internally with departments, institutes, and centers at Rice, as well as externally with companies, local government, community organizations, and institutions in the Texas Medical Center. They can optionally help to teach and develop curriculum along with other D2K Lab faculty.

This position requires a PhD in a relevant quantitative field with at least ten years of experience, and a strong record as a leader in data science. Leaders in data science education, applied data science research, and / or experience as a data science consultant or manager in industry are especially encouraged to apply.

To apply for this position, please submit a cover letter, CV, and statement(s) on relevant data science research, teaching, and/or managerial and leadership experience to jobs.rice.edu/postings/17064.
Questions regarding this position can be directed to the Faculty Director, Genevera Allen, at d2k@rice.edu. Applications will be reviewed on a rolling basis until the position is filled.

(5) Virginia Tech, Department of statistics: tenure-track position

The Department of Statistics at Virginia Tech is recruiting a tenure-track faculty position in Statistics to begin in August 2019. Appointment at the rank of assistant professor is preferred, but the associate level will be considered for exceptional candidates. Requirements include a Ph.D. in statistics or a closely related field and a research focus in data analytics, statistical/machine learning, artificial intelligence, cyber analytics, data mining, stochastic modeling/inference, or any related branch of computationally intensive statistical methods.

This position is part of a major emphasis on statistics, including computational modeling, data science and analytics, and empirical decision making and is in support of the Computational Modeling and Data Analytics (CMDA) program (www.ais.science.vt.edu/programs/cmda.html) at Virginia Tech. CMDA, a multi-department effort including not just Statistics but also the Departments of Mathematics and of Computer Science, represents an entirely new approach to training quantitative scientists, one that develops foundations for, knowledge of, and skills in computationally intensive techniques for modeling and inference.

Successful applicants will have the opportunity to be key players in the creation of the university's "Data Analytics and Decision Sciences" destination area. He or she will also have the opportunity to work in the area of cyber analytics and cybersecurity, where Virginia Tech is leading the state of Virginia’s Cyber Initiative. This is a unique opportunity to help develop and grow a truly innovative approach to education and research. Applications from researchers whose work and goals straddle traditional academic boundaries are especially encouraged.

More details are available here www.stat.vt.edu/about/open-positions.html or contact me at rbg@... Applications review begins Dec 1.

(6) Virginia Commonwealth University, Department of Statistical Sciences and Operations Research: three tenure-eligible positions

The Department of Statistical Sciences and Operations Research within the College of Humanities and Sciences at Virginia Commonwealth University invites applications for three tenure eligible faculty positions in statistics to begin August 16, 2019. Two positions will be hired at the rank of Assistant Professor (F25370 and F27930), and the third position will be hired at the rank of Associate Professor or Assistant Professor (F03870).

Candidates must have an established research agenda and a clear potential to secure external funding. Candidates applying for the position at the Associate Professor level must have an established research program and a national reputation in scholarly activity. Ph.D. in statistics or a related field required, and must be completed by August 15, 2019. Incumbent will teach graduate and undergraduate courses in statistics, with possible collaborative teaching in related areas. Limited departmental service will be expected and professional service encouraged. Candidates for the tenure-eligible Assistant Professor positions in statistics can have research interests in any relevant focus. We seek candidates whose research programs balance methodological rigor with innovative work in application areas such as life
sciences, medicine or engineering. Ph.D. in statistics or a related field required, and must be completed by August 15, 2019. Incumbent will teach graduate and undergraduate courses in statistics, with possible collaborative teaching in related areas. Limited departmental service will be expected. For all positions candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU.

To apply, candidates must submit electronically through https://www.vcujobs.com the following: a cover letter that includes description of your professional goals and addresses your qualifications and experience as they relate to the responsibilities of the position, current curriculum vitae, and contact information for three references. Reference writers will receive email notification from the eJobs system with instructions on how to complete their submission. Positions open until filled; review begins immediately.

(7) **Clemson University: Director of Mathematical and Statistical Sciences**

Clemson University invites applications and nominations for the founding Director of the School of Mathematical and Statistical Sciences. The individual who holds this leadership position will serve as the executive officer of the School and report directly to the Dean of the College of Science. Candidates are expected to merit the rank of Professor with tenure, have an internationally recognized record of scholarship, and possess significant leadership experience. The School seeks a director excited to provide leadership with shared governance in areas of (1) recruitment, development, and retention of faculty and staff talent; (2) enhancing existing academic programs and developing new relevant programs and/or degrees; (3) increasing doctoral enrollments; (4) expanding external research funding; (5) strengthening inclusive excellence; and (6) establishing a strategic vision, goals, and implementation plan for the new School that aligns with ClemsonForward ([www.clemson.edu/provost/documents/...](http://www.clemson.edu/provost/documents/...)) (Clemson University’s strategic plan) and SciForward ([www.clemson.edu/science/files/pdfs/...](http://www.clemson.edu/science/files/pdfs/...)) (College of Science’s strategic plan). Additionally, the Director will serve on the College’s leadership team. The Director is expected to demonstrate outstanding fiscal acumen in both strategic allocation of existing resources and expanding entrepreneurial revenues. The Director will work together with the Dean and the Director for Development to cultivate external support to advance the school. The University and the College are committed to building diverse and inclusive leadership with support from an NSF ADVANCE grant. We encourage applications from women, minorities and individuals with a commitment to mentoring underrepresented demographics in mathematical and statistical sciences.

QUALIFICATIONS Qualified candidates will have an earned doctorate in applied mathematics, data and decision science, mathematics, operations research, statistics, or related field. Additionally, candidates should currently hold the rank of professor or demonstrate a professional appointment consistent with appointment to professor with tenure in the School of Mathematical and Statistical Sciences and have a demonstrated international reputation for excellence in research. Preferred The ideal candidate for this role will have a demonstrated record of strategic vision, excellent communication skills, and a commitment to strengthening a multidisciplinary team and the university’s mission of discovery, learning, and engagement at an R-1 institution. Strong candidates will have experience proactively supporting and engaging multidisciplinary and diverse teams as well as effectively managing and engaging multiple internal and external stakeholder groups. Finally, the ideal candidate will have a history of excellence in strategic financial management and supporting inclusion, equity, and performance excellence.
APPLICATION INSTRUCTIONS Please submit cover, curriculum vitae, and the names of five references by January 2, 2019 for full consideration.

The application portal is available through MathJobs at www.mathjobs.org/jobs/jobs/12872

Or apply directly at www.click2apply.net/53656sb7mqykyy2y

(8) Clemson University, School of Mathematical and Statistical Sciences: tenure-track position in applied statistics

The School of Mathematical and Statistical Sciences at Clemson University invites applications for two tenure-track faculty positions in applied statistics starting with the Fall 2019 semester. Targeted recruiting is for two positions at the assistant professor rank, but applicants at all ranks will be considered. Candidates should have strong potential, or demonstrated capability, for effective research and teaching in the mathematical and statistical sciences. Specific desirable attributes for candidates include strong interest in: 1) collaboration with subject-matter researchers throughout the university; 2) collaboration with faculty members in the School; and 3) innovative non-traditional teaching approaches (such as for online courses offered through a new interdisciplinary program in data science and analytics).

For further information regarding the School and its programs, please visit the website http://www.math.clemson.edu.

An earned doctorate or equivalent is required for these tenure track positions. Review of applications will begin on November 15, 2018 and will continue until the positions are filled. Applications received by November 30, 2018 will receive full consideration.

Applicants should indicate their research specialties and interests in their cover letter. Vita, statements on teaching, research and a one-page statement describing the candidate’s experience mentoring diverse individuals and/or how the candidate plans to contribute to the inclusive excellence of the School, and three reference letters should be electronically filed at www.mathjobs.org.

The application portal is available at www.mathjobs.org/jobs/jobs/12784

(9) Wake Forest University School of Medicine, Department of Biostatistics and Data Science: Open Rank Faculty Search

The Department of Biostatistics and Data Science in the Division of Public Health Sciences at Wake Forest School of Medicine in Winston-Salem, North Carolina invites applications for faculty positions starting in summer 2019. The initial appointment would either be tenure-track or tenured. Ideal candidates will have the following qualifications:

- PhD in biostatistics, statistics, computer science, informatics, data science, or a related field. Candidates with an MD with training and/or expertise in one of these fields are also encouraged to apply although this is not a clinical position; we would explore a joint appointment with another department for active clinicians.

- All outstanding applicants are encouraged to apply. The department is particularly interested in candidates with expertise in the areas of electronic health record and administrative data (including federated data networks such as PCORnet), predictive analytics, machine learning,
imaging, bioinformatics, health economics, clinical trials, observational studies, missing data, longitudinal data, and related disciplines.

- Experience collaborating with medical and public health professionals in a multidisciplinary setting.
- Excellent written and oral communication skills.

Successful applicants at the level of Associate or Full Professor should have experience obtaining federal funding. Teaching expectations are minimal, as the position will primarily focus on research; however, prior experience in teaching graduate courses is a plus.

Applicants should send a cover letter, curriculum vitae, research and teaching statements, and contact information for 3 or more references to dbsrecruit@wakehealth.edu. Priority will be given to applications received by January 15, 2019 but we will continue to review applications until the position is filled.

(10) University of Texas M.D. Anderson Cancer Center, Department of Biostatistics: open rank faculty position

The Department of Biostatistics at M.D. Anderson Cancer Center is seeking candidates for multiple tenured/tenure-track faculty positions at the Assistant, Associate, or Full Professor level. The department invites applications from qualified individuals able to establish themselves as research leaders and demonstrate prowess in interdisciplinary collaborative scientific research. We are willing to consider researchers who can contribute to the development of methodology and its applications to biomedical research in various areas, but are especially interested in individuals in research areas relating to early detection and cancer screening, clinical trial design, imaging, computer-intensive methodology including machine learning, and integrative analyses of multi-platform high-dimensional data including genomic, proteomic, and microbiome data analysis. A Ph.D. in statistics, biostatistics or a related field is required.

Information about the department and programs offered can be found at http://www3.mdanderson.org/depts/biostatistics/. Further questions regarding the position may be directed to one of the co-chairs on the selection committee: Jeffrey Morris (jefmorris@mdanderson.org), Yu Shen (yshen@mdanderson.org), or Ying Yuan (yyuan@mdanderson.org) with the subject line “faculty position 2019” in the e-mail.

Consideration of applications will continue until the position is filled. Interested applicants should email (or mail): a cover letter outlining the relevance of their research experience and interests to the position description, a curriculum vitae, a brief statement of current and proposed research plan, and 3 letters of recommendation to:

Faculty Search Committee
Department of Biostatistics
The University of Texas M.D. Anderson Cancer Center
P.O. Box 301402
Houston, TX 77230-1402
Email: biostat-search@mdanderson.org
(11) Boston University School of Public Health, Department of Biostatistics: Post-doctoral Associate

Two-year, renewable post-doctoral position to develop and implement advanced, innovative statistical methods for a range of clinical research areas. We are particularly interested in applicants who have experience and interest in: longitudinal data analyses; causal modeling; infectious disease modeling and missing data methods. However we will consider applications from those in other related research areas.

The successful applicant is expected to participate actively both in collaborative research projects and applied methodological research. The work will involve close collaboration with Biostatistics faculty as well as clinical investigators. The position also has potential for teaching opportunities for interested applicants. Successful applicants are highly motivated, dependable, and have excellent communication and writing skills. Strong programming skills are required in languages such as R and/or SAS.

Candidates should hold a PhD or equivalent doctoral degree in statistics or biostatistics. Applications will be considered until the position is filled.

Interested applicants should send their curriculum vitae, a cover letter detailing research experience, and contact information for three references to bio-recruit@bu.edu.

(12) University of Rhode Island, College of Pharmacy: Postdoctoral Fellowship in Biostatistics

A postdoctoral fellow is sought to conduct innovative research to develop causal inference methodology combined in novel ways with network science to solve critical challenges at the nexus of HIV and substance use for network-based studies of HIV treatment and prevention among people who use drugs. The two-year position is funded by a five-year grant from the National Institute on Drug Abuse that supports methodological and applied research. The successful candidate will be appointed in the College of Pharmacy at the University of Rhode Island and will work under the mentorship of Drs. Ashley Buchanan and Natallia Katenka and collaborate with experts in a variety of fields including Medicine, Epidemiology, Statistics, and Public Health.

Applicants should have a doctoral degree in biostatistics, statistics or a related field. Applicants should be interested in performing innovative causal inference and network science research to allow cutting-edge solutions for important applied problems among people who use drugs. Areas of particular relevance include causal inference, specifically interference or dissemination, network science, and substance use treatment and prevention. A background in one of these areas would be helpful but not imperative.

Submissions should include a letter of intent, curriculum vitae, and names and contact information for three references. This application is open until the position is filled. First consideration will be given to applications received by January 1, 2019. Review of applications will commence immediately and will continue until the position is filled.

Applicant materials should be e-mailed or mailed to:

Attention: Ashley L. Buchanan (Post-doctoral fellowship search)
The University of Rhode Island
College of Pharmacy
George Mason University, College of Health and Human Services: Multiple Open-Rank Biostatistics / Data Science Faculty Positions

The College of Health and Human Services at George Mason University is launching an ambitious search for multiple outstanding open faculty positions in biostatistics or data science who are committed to academic excellence and original methodologic and collaborative research in public health.

Though all research areas will be considered, preference will be given to applicants with expertise in causal inference or mediation analysis, exposome and mixtures analysis, interventional trials, longitudinal data analysis, and machine learning along with statistical and data science methods relevant to the use of complex health data including electronic health records. Midcareer and senior candidates will have an active, externally-funded program of research, an established publication record, evidence of effective classroom teaching commensurate for a tenured appointment at the rank of associate or full professor. Early career candidates will demonstrate strong evidence of potential as an independent researcher to obtain external funding and show promise of effective classroom teaching.

These are state-funded, full-time (9-month) tenure-track/tenured faculty positions. Appointments will begin in August 2019, though other starting times might be possible. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and it strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

Successful candidates will be expected to: 1) develop or continue a program of original methodologic research; 2) engage in collaborative research; 3) teach and mentor students; 4) establish or bring an extramurally funded research program; and 5) engage in professional service in support of advancing the College’s mission. To the extent possible, faculty will be expected to contribute synergistically to development of transdisciplinary courses, degree programs and research.

Qualifications: An earned doctoral degree in biostatistics, data science, computational sciences or a closely-related field (e.g., statistics); data science in health-related research experience; record of referred publications; active extramurally funded research for midcareer and senior candidates; strong oral and written communication skills; and an ability to teach graduate level biostatistics and research courses and mentor students/postdoctoral fellows.

Preference will be given to candidates capable of collaborating with transdisciplinary research teams, and leading their own methodologic research with expertise in causal inference or mediation analysis, exposome and mixtures analysis, interventional trials, longitudinal data analysis, and machine learning...
along with statistical and data science methods relevant to the use of complex health data including electronic health records.

Further information about the College may be found at: https://chhs.gmu.edu.

Applicants must apply for position number F8938Z using https://jobs.gmu.edu and include (1) a cover letter of interest, (2) curriculum vitae, (3) research statement of interests and goals, (4) teaching experience and philosophy, and (5) a list of 3 references with full contact information. References will be contacted prior to campus interviews. The initial review of applications will begin on December 1, 2018 and will continue until positions are filled. Only complete electronic applications submitted using jobs.gmu.edu will be reviewed.

For questions about the posted position, search process and/or University, please contact Dr. Robert M. Weiler, Search Committee Chair, at: rweiler@gmu.edu; 703-993-1920.

**George Mason University, College of Health and Human Services: Open Rank New Faculty Positions**

Multiple Assistant, Associate and Full Professors in Public Health Disciplines (Tenure-track/tenured cluster hires)

The College of Health and Human Services at George Mason University is undertaking a large initiative to recruit outstanding faculty to develop multidisciplinary academic research teams in behavioral health, environmental health, health disparities, health policy, and obesity.

Candidates with established extramurally-funded research may have the opportunity to relocate research teams or collaborators, if desired. These recruitments will support the College’s planned transition to become a college of public health in the near future.

Appointments will begin in August, 2019, though other starting times may be possible. These are full-time (9-month) state-funded faculty positions with benefits and carry the option of competitively awarded summer funding. George Mason University has a strong institutional commitment to the achievement of excellence and diversity among its faculty and staff, and it strongly encourages candidates to apply who will enrich Mason’s academic and culturally inclusive environment.

Responsibilities: The successful candidates will be expected to: 1) teach and mentor students using novel approaches, 2) bring and maintain an extramurally funded research program, 3) and engage in professional service. Faculty will be expected to synergistically contribute to the development of multidisciplinary courses, degree programs and research.

Required Qualifications: An earned doctoral degree in a public health discipline (such as epidemiology, behavioral or social science, biostatistics, health informatics, health policy, nutrition, nursing, exercise or rehabilitation science, social work, or environmental science) or an earned medical degree with graduate level training in one of these areas. Evidence of research excellence as measured by a positive trajectory of refereed publications in high impact journals and professional service.

Evaluations of qualifications are relative to professional rank; candidates for associate and full professor appointments must have stature as extramurally funded principal investigators and meet the University’s criteria for tenure.
Preferred Qualifications: Candidates for associate or full professorships ideally will have experience with nontraditional adult learning and online teaching and evidence of mentoring doctoral students and postdoctoral fellows for academic appointments. Candidates for assistant professorships ideally will have postdoctoral fellowship training with an established trajectory of refereed publications, evidence of research funding (extramurally funded grants or awards), and be part of a relocating research team.

Further information about the College may be found at: https://chhs.gmu.edu.

For full consideration, Applicants must apply for positions at https://jobs.gmu.edu under position number F7715Z. Please upload (1) a letter of interest and include your topical area: behavioral health (F7715Z), environmental health (F146AZ), health disparities and policy (F7656Z), or obesity (F9938Z); (2) curriculum vitae; and (3) research statement. Three reference letters will be required prior to campus interviews. The initial review of applications will begin on December 1, 2018 and will continue until the positions are filled. An offer of employment is contingent upon background verification.

(15) UC Irvine, Department of Statistics: Open Rank Professor of Teaching in Statistics

The Department of Statistics in the Donald Bren School of Information and Computer Sciences (ICS) at the University of California, Irvine (UCI) invites applications for a faculty position as Professor of Teaching beginning July 1, 2019. The Lecturer with Security of Employment series (Professor of Teaching) requires, in addition to excellent teaching and service, that the candidate makes outstanding and recognized contributions to the development of his or her specific discipline and/or of pedagogy. The search is open-rank and we welcome applicants at the Assistant (potential security of employment; analogous to pre-tenure) or Associate/Full (security of employment; analogous to tenure) ranks. Applicants should hold a Ph.D. degree (or expected by fall 2019) in Statistics, Biostatistics or a related field and provide evidence of teaching excellence. This is a full-time faculty position designed for individuals who wish to focus their careers on the development and implementation of innovative teaching strategies, professional activities, and University and public service. Professors of Teaching are members of the University of California Academic Senate and have all the usual benefits of Senate membership, including eligibility to participate in UCI’s faculty housing program.

Applicants must submit a cover letter, curriculum vita, graduate transcript (for applicants at the assistant rank), statement of teaching philosophy, statement of educational research goals, statement of contributions to diversity, and three letters of recommendation. Please refer to the following web site for instructions: recruit.ap.uci.edu/JPF04671, listed under the Donald Bren School of Information and Computer Sciences.

To ensure your application is given full consideration, files should be completed by December 1, 2018. Priority will be given to applications received by the date.

(16) Emory University, Division of Biostatistics and Bioinformatics: Two Tenure-Track Assistant Professor Positions

The Department of Biostatistics and Bioinformatics is recruiting up to two tenure-track faculty at the Assistant Professor level. We seek individuals with the potential to develop into impactful leaders and innovators in their areas of research interest. Responsibilities associated with these positions include independent and collaborative methodological research, teaching, and the supervision of graduate students.
Requirements: Doctoral degree in Biostatistics/Statistics or a related field; strong record of or high potential for methodologic research; intent and ability for scientific collaborative research and graduate level teaching; excellent oral and written communication skills.

Applicants must apply to faculty-emory.icims.com/jobs/27258/job and send a cover letter, a statement of research interests, a complete curriculum vitae and three reference letters to: Faculty Search Committee, c/o Mary Abosi (mabosi@emory.edu), Emory University, Department of Biostatistics and Bioinformatics, 1518 Clifton Rd., NE, Atlanta, GA 30322.

Formal review of applications will begin in December 2018 and continue until positions are filled.

(17) Mass General Hospital (MGH) Research Institute, Division of Clinical Research: Director of the Biostatistics Center

The Division of Clinical Research of the Mass General Hospital (MGH) Research Institute seeks to fill a position of Director of the Biostatistics Center with a national and international leader in the application of statistics in medical research. The MGH Biostatistics Center hedwig.mgh.harvard.edu/biostatistics is dedicated to serving the MGH, as well as selected NIH-funded coordinating center projects providing state-of-the-art biostatistics and data management expertise. MGH has a very active research portfolio in cancer, cardiology, pediatrics, neurology, infectious disease, psychiatry among other major areas of clinical care. The Center has 30 full-time and 3 part-time faculty/staff, including an administrator and computer systems administrator. The Center provides biostatistical support to investigators throughout the MGH research community; the Director oversees all statistical support within the MGH Research Institute. Massachusetts General Hospital is home to the largest hospital-based research enterprise in the U.S., with an annual budget of over $912 million in 2017.

Appointment at the rank of professor will be commensurate with experience, training, and achievements. This position may also include a secondary appointment at the Harvard T.H. Chan School of Public Health. This individual will have responsibility for directing statistical cores in large programs at the MGH and applying for and directing NIH-supported coordinating centers. Applicants should have a doctoral degree in a statistical science and should demonstrate leadership as well as of an independent research program and mentorship of faculty.

Interested applicants should send a curriculum vitae and statement of career interests to Maurizio Fava, MD, Director of the Division of Clinical Research MGH Research Institute, mfava@mgh.harvard.edu


(18) Purdue University, Department of Statistics: Assistant Professor of Statistics


The Department of Statistics in the College of Science at Purdue University invites applications for a tenure-track position beginning August 2019 at the rank of Assistant Professor. Exceptional candidates in all areas of Statistics will be considered and those whose research addresses the emerging statistical issues in application areas including but not limited to the life and agricultural sciences, engineering and artificial intelligence are encouraged to apply.
This position comes at a time when the College of Science is under new leadership and with multiple commitments of significant investment in Data Science. The Department of Statistics offers a stimulating and nurturing academic environment with research programs in a broad-range of areas which include bioinformatics, computational statistics, data science, mathematical statistics, probability, and spatial statistics, among others. Several faculty members have joint appointments in Computer Science, Electrical and Computer Engineering and other departments. Further information about the department is available at http://www.stat.purdue.edu.

The Department of Statistics is committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. The successful candidate should have a commitment to diversity and promoting a multicultural environment for learning.

All applicants must hold a Ph.D. in Statistics or a related field, and be committed to excellence in research and teaching. To apply, please visit https://hiring.science.purdue.edu and upload a CV, research statement, teaching statement, and a statement on mentoring both graduate and undergraduate students. Arrange to have three or more reference letters submitted through the above website.

Review of applications will begin on December 1, 2018, and will continue until the position is filled.

(19) Purdue University, Department of Statistics: Assistant Professor of Statistics and Electrical and Computer Engineering

The Department of Statistics in the College of Science at Purdue University invites applications for a tenure-track faculty position to begin in August 2019 at the rank of Assistant Professor. This position is split between Statistics (75%) and Electrical and Computer Engineering (25%). This position is part of a large-scale interdisciplinary hiring effort across key strategic areas within the College of Science with multiple commitments of significant investment in Data Science. We seek candidates to add to our strengths in machine learning, and applied and theoretical statistics.

Successful candidates are expected to develop excellent research programs, show evidence of effective teaching, the ability and willingness to supervise graduate student research and participate in activities related to our graduate programs. We will consider applicants with research interests and a record of high-quality research in theory, methods, and/or algorithms for big and complex data. Applicants who demonstrate the ability to conduct collaborative engineering research in those areas as well as application areas that include, but are not limited to, the life and agricultural sciences, engineering, and artificial intelligence are encouraged to apply. Candidates are encouraged to learn more about the Department of Statistics and the School of Electrical and Computer Engineering by visiting http://www.stat.purdue.edu and https://engineering.purdue.edu/ECE.

Applicants must hold a Ph.D. degree in Statistics or a related discipline by the start of the appointment. To apply, please visit https://hiring.science.purdue.edu and upload the following information: cover letter, CV, research statement, 2-3 publications, teaching statement, and a statement on mentoring both graduate and undergraduate students. In addition, arrange to have three or more reference letters.
submitted. Review of applications will begin on December 1, 2018, and will continue until the position is filled.

Purdue University's Department of Statistics and School of Electrical and Computer Engineering are committed to advancing diversity in all areas of faculty effort, including scholarship, instruction, and engagement. Candidates should address at least one of these areas in their cover letter, indicating their experiences, current interests or activities, and/or future goals to promote a climate that values diversity and inclusion. The successful candidate should have a commitment to diversity and promoting a multicultural environment for learning. Purdue's main campus is located in West Lafayette, Indiana, a welcoming and diverse community with a wide variety of cultural activities, events, and industries.

(20) Memorial Sloan Kettering Cancer Center: biostatistician

Memorial Sloan Kettering Cancer Center is seeking a doctoral-level biostatistician to join an existing group of 35 biostatisticians (17 faculty and 18 research staff). Departmental members engage in collaborative research with investigators studying the full spectrum of problems in cancer research, and pursue their independent research interests (www.mskcc.org/biostat). The current interests of the faculty include methodology for the design and analysis of clinical trials, epidemiologic studies, genomics, statistical genetics, diagnostic test evaluations, survival analysis, computer intensive methods, hierarchical modeling, and Bayesian techniques. The successful applicant must have a strong commitment to statistical collaborations with medical or basic science investigators, excellent communication skills, and an interest in pursuing independent methodological research. Applicants with any level of experience are invited to apply. Send a cover letter, curriculum vitae and the names and contact information for at least three references to Samantha Vasquez at vasques2@mskcc.org.

(21) Post-doctoral Associate, Department of Biostatistics, Boston University School of Public Health

Two-year, renewable post-doctoral position to develop and implement advanced, innovative statistical methods for mobile health and device data collected within a longitudinal population-based cohort. The funded project involves data collected from a smartphone app paired with a wireless blood pressure device and smart watch to collect heart rate and step counts. In addition, the study includes a clinical trial of messaging to improve device use. We are particularly interested in applicants who have experience and interest in: missing data including heterogeneous amounts of nonrandom excess data and missing data, longitudinal data analyses; data mining and analysis of big data; cardiovascular disease and physical activity phenotypes. However we will consider applicants with expertise in other related research areas.

The successful applicant is expected to participate actively both in collaborative mHealth research projects and applied methodological research. The work will involve close collaboration with Biostatistics faculty as well as senior investigators working with the Framingham Heart Study. The position also has potential for teaching opportunities for interested applicants. Successful applicants are highly motivated, dependable, and have excellent communication and writing skills. Strong programming skills are required in languages such as R and/or SAS as well as Perl, and experience with Linux environment.

Candidates should hold a PhD or equivalent doctoral degree in statistics or biostatistics. Applications will be considered until the position is filled.
Interested applicants should send their curriculum vitae, a cover letter detailing research experience and how they will contribute to our goals to engender a more inclusive and diverse school, and contact information for three references to bio-recruit@bu.edu.

(22) National Cancer Institute: Post-doctoral Fellowships for Interdisciplinary Research in Radiation Epidemiology and Biostatistics

The Radiation Epidemiology (REB) and Biostatistics Branches (BB) of the Division of Cancer Epidemiology and Genetics at the National Cancer Institute/National Institutes of Health/Department of Health and Human Services seek qualified applicants for post-doctoral fellowships for interdisciplinary research on statistical issues in studying the role of radiation in cancer etiology. The Division of Cancer Epidemiology and Genetics (DCEG) of the National Cancer Institute conducts a national and international program of population- and family-based studies to elucidate the environmental and genetic determinants of cancer. REB conducts research to identify, understand, and quantify the risks of cancer in populations exposed to medical occupational, or environmental radiations, and to advance understanding of radiation carcinogenesis. BB statisticians collaborate across wide variety of studies in DCEG and develop cutting-edge statistical methods in diverse areas such as study design, the analysis of correlated data, measurement error, statistical genetics, genomics, and risk–prediction.

Successful candidates for these positions will be jointly mentored by investigators from REB and BB. Depending on one's interest, projects may include the collaboration on radiation epidemiologic studies that require non-standard modeling of the dose-response relationship between radiation and cancer risk, the analysis of genetic susceptibility and treatment effects on secondary cancers, and the analysis of incidence data from cancer registries for evaluating secondary cancer risks related to radiotherapy treatment. Candidate will also be given flexibility to pursue research in broader statistical areas, such as measurement error, disease surveillance, longitudinal and spatial-temporal modeling that have applications beyond radiation epidemiologic studies.

Fellows will have opportunity to work together with a highly talented team of researchers with experience in radiation, statistics, epidemiology, dosimetry, and genomics. Access to data from a large variety of one-of-a-kind cohort studies (e.g., REB’s signature cohort studies of cancer risks in children who underwent CT scans and a case-control study of children exposed to background radiation in the UK) would provide an excellent opportunity for identifying important problems, testing and validating the statistical methods and eventually applying them for improved analysis and interpretation of substantive studies. Fellows will have access to high performance computing facilities.

A PhD in Statistics, Biostatistics or in a similar quantitative field is required. Individuals with both theoretical and applied backgrounds with strong computational skills are encouraged to apply. The appointments can continue up to three years and can be extended for an additional 1-2 years. For further information about the research program of the Division of Cancer Epidemiology and Genetics at NCI, and the Radiation and Biostatistics Branches within DCEG consult the website: www.dceg.cancer.gov.

Interested candidates should send a cover letter, curriculum vitae and three letters of references to Ms Adrienne Rolls (adrienne.rolls@nih.gov).
Please contact Dr. Paul Albert (albertp@mail.nih.gov) or Dr Amy Berrington de Gonzalez (berringtona@mail.nih.gov) for questions about the positions.

Applicants should mention in their cover letter that they are applying for the joint REB-BB postdoctoral fellowship position.

(23) University of California, San Francisco (UCSF), Division of Biostatistics of the Department of Epidemiology and Biostatistics: open rank faculty positions

The Division of Biostatistics of the Department of Epidemiology and Biostatistics, University of California, San Francisco (UCSF) invites applications for full-time faculty positions at any rank, in the In Residence faculty series, with an expected start date of July 2019.

The UCSF Department of Epidemiology and Biostatistics provides a supportive academic environment for original methodological research and ample opportunities for collaboration, including with the Helen Diller Family Comprehensive Cancer Center, as well as teaching and mentoring as part of our Master’s Degrees in Clinical Research and Global Health and the Epidemiology and Translational Science and Global Health Sciences PhD programs. The successful candidate is expected to conduct collaborative research with biomedical scientists, maintain their own research program, and carry a light teaching load (typically 1 to 2 quarter-length courses per year or the equivalent). We will consider any area of research compatible with current departmental programs. This is an opportunity to join an energetic, involved Biostatistics program at one of the nation’s top medical research institutions.

Applicants should hold a PhD in Biostatistics or a closely related field expected by the start date. Preference given to candidates with experience in collaboration and consulting in a biomedical environment and excellent teaching and communication skills.

UC San Francisco seeks candidates whose experience, teaching, research, or community service has prepared them to contribute to our commitment to diversity and excellence.

Please apply online at aprecruit.ucsf.edu/apply/JPF01705 by submitting a cover letter, Curriculum Vitae, statements of teaching and research, and the names and contact information of three references. Applications open until the positions are filled, but to assure complete consideration applicants are encouraged to apply within one month of the appearance of this announcement.

(24) Loyola Marymount University, Mathematics Department: two tenure-track statistics positions at the Assistant Professor

The Mathematics Department of Loyola Marymount University invites applications for two tenure-track positions at the Assistant Professor level beginning Fall 2019 and we would appreciate it if you could share this information with your graduating PhD candidates and Post Doctoral Fellows. Our department is an inclusive community of 20 full-time faculty members who work in many areas of pure and applied mathematics in an atmosphere of mutual respect and collegiality.

One position will have an emphasis in the areas of analysis, data science, probability, or statistics and the other position will have an emphasis in the area of data science and data analytics. Candidates with an interest in interdisciplinary teaching or research involving business analytics are encouraged to highlight this in their application for the second position. There are many new collaborative initiatives
and opportunities involving statistics and data science at LMU that could be of particular interest to new faculty.

LMU seeks professionally outstanding applicants who value its mission and share its commitment to academic excellence, the education of the whole person, and the building of a just society. LMU is an equal opportunity institution actively working to promote an intercultural learning community. Women and minorities are encouraged to apply. Additional information about LMU and instructions on how to apply can be found at [www.mathjobs.org/jobs/jobs/12245](http://www.mathjobs.org/jobs/jobs/12245). We have also posted the full ad in the AmStat Career Center: Assistant Professor of Mathematics (2 positions).

(25) University of Washington: Post-doctoral fellow in Alzheimer’s Disease research

Applications are invited for a two-year, renewable post-doctoral position at the University of Washington in Seattle to develop and implement advanced, innovative statistical methods for research in Alzheimer’s disease and related dementias. Candidates should hold a PhD or equivalent doctoral degree in statistics or biostatistics. We are particularly interested in applicants who have experience and interest in: longitudinal data analyses; causal modeling; and big data analysis. However we will consider applications from other related research areas.

The successful applicant is expected to participate actively both in collaborative research projects and applied methodological research. Successful applicants are highly motivated, dependable, and have excellent communication and writing skills. Strong programming skills are required. The appointments will be to a National Institute on Aging T32 funded training program. As such, all funded positions require U.S. citizenship or permanent residency for eligibility. Applications will be considered until the position is filled.

To Apply: Please e-mail the following materials, Attention: Alzheimer’s Disease Training Grant, to wamble@uw.edu:

- Letter containing a summary of research experience to date, career goals, and objectives of your proposed research as it relates to Alzheimer’s disease and related dementias. Please include in your cover letter a statement regarding your US citizenship and/or permanent resident status. Also provide contact information for the applicant including email, postal address, and mobile phone number.
- Three letters of recommendation. Please have the persons writing the letters email them directly to wamble@uw.edu.

An NIH biosketch that describes any prior NRSA support, honors or awards, previous publications, GRE or MCAT scores, and a summary of academic records.

(26) University of Arkansas, Department of Mathematical Sciences: tenure-track Assistant Professor

The University of Arkansas Department of Mathematical Sciences invites applications for one tenure-track Assistant Professor position to begin in August 2019. The position is open to candidates with research interests in Statistics, Data Science, or Computational Methods in the context of data science. Preference will be given to candidates in areas that match those represented in the department (e.g., Bayesian statistics, spatial processes, state space models, nonparametric methods).
Candidates capable to collaborate with the growing Applied Mathematics group will be considered with particular interest.

A Ph.D. in statistics, mathematics, or a closely related area, together with a demonstrated potential for a successful research and teaching career are required.

The University of Arkansas has recently started an interdisciplinary MS program in Statistics and Analytics and has launched an Institute for Advanced Data Analytics. The University is currently developing a BS in Data Science. Faculty hires intended to support the new program as well as research in the broad area of data science are underway across the University.

All application materials should be submitted electronically. For a complete position announcement and information regarding how to apply, visit jobs.uark.edu/postings/30619

The application package should include a cover letter, curriculum vitae, a publication list, and brief descriptions of research agenda and teaching philosophy. Applicants should also arrange for four letters of recommendation, at least one of which must address the applicant's teaching experiences and capabilities. Completed applications received by December 13, 2018, will be assured full consideration. Late applications will be reviewed as necessary to fill the position.

(27) University of Nevada Las Vegas, Department of Mathematical Sciences: tenure track assistant professor of statistics (R0112416)

The Department of Mathematical Sciences invites applications for a full-time, 9-month, tenure-track Assistant Professor position in Statistics, commencing Fall 2019. The successful candidate is expected to teach effectively at both the undergraduate and graduate levels, publish in refereed research journals, pursue external funding, and supervise graduate students. The successful candidate will also be expected to provide service to the department, college, university, and the profession.

Applicants must have a Ph.D. in Statistics or related areas from an accredited college or university. Preference will be given to candidates who demonstrate commitment to excellence in both teaching and scholarly activity.

Salary competitive with those at similarly situated institutions. Position is contingent upon funding.

Submit a letter of interest, a detailed resume listing qualifications and experience, and the names, addresses, and telephone numbers of at least three professional references who may be contacted. Applicants should fully describe their qualifications and experience, with specific reference to each of the minimum and preferred qualifications because this is the information on which the initial review of materials will be based.

Although this position will remain open until filled, review of candidates' materials will begin on January 7, 2019 and best consideration will be gained for materials submitted prior to that date. Materials should be addressed to Dr. Amei Amei, Search Committee Chair, and are to be submitted online as we do not accept emailed materials. For assistance with the application process, please contact UNLV Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

The University of Nevada, Las Vegas (UNLV) appreciates your interest in employment. We ask that you keep in mind the following when completing your application:
Once you start the application process you cannot save your work. Please ensure you have all required attachment(s) available to complete your application before you begin the process.

Required attachments are listed below on the posting. Your application will not be considered without the required attachments.

Please note that applications must be submitted prior to the close of the recruitment.

Once a recruitment has closed, applications will no longer be accepted. If you need assistance or have questions regarding the application process, please contact Human Resources at (702) 895-3504 or applicant.inquiry@unlv.edu.

The successful candidate will demonstrate support for diversity, equity and inclusiveness as well as participate in maintaining a respectful, positive work environment.

SPECIAL INSTRUCTIONS FOR INTERNAL NSHE CANDIDATES

UNLV employees or employees within the Nevada System of Higher Education (NSHE) MUST use the "Find Jobs" process within Workday to find and apply for jobs at UNLV and other NSHE Institutions. Once you log into Workday, type "Find Jobs" in the search box which will navigate to the internal job posting site. Locate this specific job posting by typing the requisition number, "R0112416" in the search box.

If you complete an application outside of the internal application process, your application will be returned and you will have to reapply as an internal applicant which may delay your application.

(28) Vanderbilt University, Department of Biostatistics: Open Rank, Tenure Track Faculty Positions

The Department of Biostatistics is seeking applicants for two open rank, tenure-track faculty positions to begin in the fall of 2019. We encourage those who are enthusiastic about methodological research, interdisciplinary collaborative research, teaching and mentoring to apply. We will consider all strong applications across a range of methodological domains (e.g., clinical trials, Bayesian methods, causal inference, longitudinal data); however, at least one position will be filled by an applicant with expertise in computational statistics, high dimensional methodologies, and/or machine learning. The positions offer a rich environment for collaborative research and close interactions with PhD and MS students. Candidates should have a doctoral degree in biostatistics, statistics, mathematics, computer science, or another quantitative field.

The department places a strong emphasis on continuing education and professional development. Department faculty members are expected to become statistical data scientists, on the forefront of biomedical research, as well as leaders in the biomedical field. Opportunities for contribution and collaboration exist across Vanderbilt University Medical Center. Additional information about the department is available at www.vumc.org/biostatistics/.

Interested applicants: please email a cover letter, research and teaching statements, and a CV that includes contact information for at least three references to biostatistics@vumc.org

(29) Harvard T.H. Chan School of Public Health: Research Associate
The Harvard Chan Bioinformatics Core (HBC) is a center for bioinformatics research, services and training at the Harvard T.H. Chan School of Public Health. We work closely with biomedical scientists across Harvard to develop innovative approaches for analysis, interpretation, visualization and distribution of scientific discoveries using omic information. HBC projects are a mix of short-and long-term collaborations and HBC researchers include scientists from different disciplines who work with the biomedical research community within the Harvard, MIT and Broad communities, as well as within industry. The HBC emphasizes teamwork and a supportive environment where we learn from each other.

We are looking for a bioinformatician or computational biologist to work with data from a wide variety of experimental platforms, with a focus on next-gen sequencing technologies. This role provides a unique opportunity to participate in exciting and rewarding world-class research that is making a profound impact on human health.

About you
You have a background in biomedical or quantitative science and a strong interest in working with medical and/or biological researchers. You thrive on scientific challenges, and enjoy collaborating with an interdisciplinary team. You can synthesize your knowledge of biology, genetics and cell biology with your computational knowledge to excel at communicating with programmers and wet-lab scientists alike. You are an independent learner, are keen to learn and apply new methods, and are motivated to continually expand your skills. You have good code and data management skills to enable reproducible research and are capable of simultaneously working on different projects and deadlines. You are experienced with next-generation sequencing analysis.

Duties
The Bioinformatician will support selected research projects, working independently with researchers at the Harvard Chan School, Harvard and the broader Boston biomedical community. They will provide specialized bioinformatic tools and analysis methods to researchers, and collaborate in analyzing and interpreting their data. Tasks will focus on area(s) of expertise in one of the following bioinformatics domains: sequencing (whole genome, exome, bulk RNA, small RNA, single cell RNA, ChIP, methylation, single cell RNA-seq), data integration of multiple data types, functional analysis (enrichment studies, GSEA, networks), or data management and visualization.

Reporting to the HBC director and associate director, and coordinating closely with other Core staff, the applicant will analyze incoming data, and will be required to use existing analytical approaches commonly used in the Core, and assess new methods where appropriate. They will document all work thoroughly, and provide manuscript-level reporting of final analyses and results. The applicant will summarize, analyze and graph data using advanced techniques, and provide direct links to related informatics analysis tools. Other duties will include data management (coordinating with collaborating Research Computing groups and Core developers to ensure consistent data storage), participation in Core and lab meetings and other collaborator meetings around various campuses, and liaising with collaborating researchers. Where appropriate, the applicant may participate in developing manuscripts for publication.

Basic Qualifications:
Doctoral degree in biological sciences, statistics or related computational field (eg. computational biology or bioinformatics) required. Scripting abilities (Python familiarity, R proficiency, shell scripting) required. Working knowledge of biology, genetics and cell biology required. Experience in at least one of the following next-generation sequencing domains required:
- Whole genome sequencing
- Exome-seq
- Bulk RNA-seq (preferred)
- Small RNA-seq
- Single cell RNA-seq (preferred)
- ChIP-seq
- Bisulfite-seq

Additional Qualifications:
Knowledge of functional analysis (enrichment studies, GSEA, networks), data management and visualization. Proven ability to interpret and analyze large data sets and present results. Excellent written English and a familiarity with presenting biological results. Strong interpersonal skills. Statistical background experience. Github or other version control experience Ability to produce reproducible code (R Markdown, Latex, Jupyter notebooks, etc)

Application Procedures:
To apply for this position, submit your application through the Harvard ARleS: Academic Recruiting Information eSystem at the following link: academicpositions.harvard.edu/postings/8523

(30) University of Pittsburgh, Department of Statistics: two tenure-track assistant professor positions

The University of Pittsburgh Dietrich School of Arts and Science is seeking applications for two tenure track Assistant Professor positions in the Department of Statistics beginning September 2019, pending final budgetary approval. www.stat.pitt.edu/open-positions-department-statistics

The Department of Statistics has a strong commitment to fostering diversity, equality and inclusive excellence in a variety of research and teaching activities. We have a rapidly expanding program, with these two new positions representing growth of our faculty size. We encourage candidates from all areas of research to apply. In addition to outstanding research, the successful candidate will teach undergraduate and graduate courses and supervise graduate students. Candidates should have or be expected to have their PhD in statistics or related field by September 1, 2019.

Additional information about the department can be found at http://www.stat.pitt.edu/. Informal inquiries about this position may be directed to Dr. Satish Iyengar, Interim Chair, at ssi@pitt.edu. Applicants should submit a cover letter, a curriculum vitae, a diversity statement, and three letters of reference.
For each reference, you will have the opportunity to input an email address, and an email notification will be sent to the designated address with instructions about uploading the letters to our system. Candidates should apply online at facultysearch.as.pitt.edu/apply/index/MjUw. Review of applications will begin December 10, 2018, and will continue until the position is filled.

(31) University of California Davis, Department of Public Health Sciences: full professor and Chief of the Division of Biostatistics

The University of California Davis, Department of Public Health Sciences invites applications for a position as full professor and Chief of the Division of Biostatistics (JPF02356). Candidates must possess a doctorate degree in biostatistics or statistics. An established record of collaborative and independent biostatistics methodological research is required, including recent peer-reviewed publications; demonstrate experience with the design, analysis, and reporting of epidemiologic and/or clinical studies; and experience in obtaining extramural grant funding. Candidates must have strong written and verbal communication skills. Previous leadership experience in a School of Medicine or School of Public Health is highly desirable.

Candidates must have the ability to work cooperatively and collegially within a diverse environment.

The fields of specialization are open, but particular consideration will be given to candidates with experience and/or interests in collaborative biomedical research. The following are examples of areas of potential interest:

- Preclinical or translational science
- Clinical trials
- Epidemiological/observational studies
- "Big data" statistics: omics, administrative data and/or electronic health records
- Biomarker discovery
- Cancer

The Division of Biostatistics is an administrative unit within the Department of Public Health Sciences. The Department of Public Health Sciences is a major research and teaching Department in the School of Medicine with 24 full-time faculty members including 11 full-time biostatistics faculty members. The Division has 7 staff biostatisticians. In addition to epidemiologic research within the Department, faculty members have active collaboration with many faculty in other departments and centers. Areas of active research in the Department include occupational/environmental health, cancer, reproductive and women's health, aging, nutrition, infectious and pulmonary disease, injuries/accidents/trauma, health informatics, and health policy/health services research. Active biostatistical research includes neuroimaging data, longitudinal and clustered data, risk prediction modeling, complex sample designs, omics data, clinical trials, preclinical and translational data, diagnostic accuracy evaluation, survival analysis, epidemiology, analysis of administrative data, and biomarker discovery.

For full consideration, applications must be received by December 31, 2018; however, position will be open until filled, but no later than June 30, 2019. Please provide the following: Curriculum Vitae; Cover letter; Statement of Research; Statement of Teaching; Contributions to Diversity, "Authorization to Release Information" form into UC Recruit names and contact information for at least three references.

Recruitment Link: recruit.ucdavis.edu/apply/JPF02356
### (32) Montana State University: Postdoc and M.S. Statistician positions

[jobs.montana.edu/postings/14362](jobs.montana.edu/postings/14362) (Postdoc)

[jobs.montana.edu/postings/14363](jobs.montana.edu/postings/14363) (MS statistician / data manager)

These positions will support a large international team of scientists doing research to understand the transmission of viruses from animals to people. The team is focused on high biosecurity viruses that spill over from fruit bats to cause outbreaks in Africa, Asia, and Oceana. Data will come from field work, lab analyses, and experiments conducted in four countries. The Research Statistician position is designed as a post-doc for someone with a PhD in Statistics, but an M.S. in Statistics and at least 3 years of relevant experience will also be considered. The data scientist / data manager should have, or be working on, a master's degree in Statistics and will work closely with the person in the postdoctoral position -- duties beyond the data managing and visualization will depend on experience and interest.

### (33) Colorado School of Public Health, Division of Biostatistics and Informatics: postdoctoral research fellow

The Department of Biostatistics and Informatics, Colorado School of Public Health, is seeking a postdoctoral fellow in 'omics analysis. The focus of this position will be the development and implementation of novel statistical and computational methods in metabolomics, and other omics technologies. The work will involve both methodological research with biostatistics faculty and collaboration with biomedical investigators. The fellow will be supervised by Professors Katerina Kechris and Debashis Ghosh.

The position is 2 years with the possibility of extension and available to start immediately.

Qualifications: PhD/ ScD from an accredited college or university in statistics, biostatistics, bioinformatics, computer science or related field at the start of the postdoc. Excellent communication skills (written and oral) using the English language. Strong computing skills, and experience in machine learning and 'omics technologies.

Application Materials Required: Cover Letter, Resume/CV, List of References

Application Instructions: Please apply for position #15112 at [cu.taleo.net/careersection/2...](cu.taleo.net/careersection/2...)

Contact: Please contact Dr. Katerina Kechris ([katerina.kechris@ucdenver.edu](mailto:katerina.kechris@ucdenver.edu)) for questions about the position and application process.

### (34) New College of Florida: Data Science Director and faculty positions in applied statistics

New College of Florida is seeking to hire a Director of Data Science and faculty in applied statistics to begin Fall 2019. If you have any questions, feel free to contact Brad Thiessen at [bthiessen@ncf.edu](mailto:bthiessen@ncf.edu).

--- **Director of Data Science**---

New College of Florida, the designated honors college of the Florida State University System, invites applications for Director of Data Science to begin by July 2019. Depending on qualifications and interest, this position may be structured as a tenured or tenure-track faculty position, or as a renewable administrative position.
Now in its fourth year, the Master of Science in Data Science program trains students to work collaboratively on real data science problems. The program consists of three semesters of coursework followed by a one-semester practicum with a corporate partner. For more information on the program, visit www.ncf.edu/academics/graduate-program.

Responsibilities: The Director of Data Science oversees the program, its faculty, staff and students and builds relationships with existing and new corporate partners. Other responsibilities include the coordination and placement of students into practica, managing the program budget, overseeing marketing and student recruitment, evaluating and improving program effectiveness, and teaching up to one course per semester.

Qualifications:

- Ph.D. in Data Science, Statistics, Computer Science, or a related field in the Social or Natural Sciences
- Excellent communication, collaboration, and administrative skills
- Experience applying data science to solve real problems
- Ideal candidates will maintain active collaborative research in data science.

To apply: Click "View Employment Opportunities" at www.ncf.edu/employment to provide a cover letter, résumé/CV, contact information for 3 references, and unofficial transcripts. In the cover letter, provide a statement about your vision to enhance the data science program at New College. Additionally, provide a diversity statement addressing your contributions to supporting an inclusive educational environment.

Questions about the position can be directed to the Chair of the Search Committee, Dr. Brad Thiessen (bthiessen@ncf.edu).

Deadline:
Review of applications will begin immediately and continue until the position is filled. Preference will be given to applications received by January 1, 2019.

--- Applied Statistics ---

New College of Florida invites applications for multiple tenure-track Assistant Professor positions in Applied Statistics, starting in August, 2019. A Ph.D. in Statistics or a closely related field by the start date is required. We seek individuals to contribute to an innovative data science program in a liberal arts context. Candidates must be passionate about designing and teaching courses and guiding research at both the master's and undergraduate level in a highly interdisciplinary setting. In addition to teaching, successful applicants will be capable of establishing a productive research program.

Responsible for teaching, research, service, and related administrative activities. The teaching load is two classes per semester, plus supervision of tutorials, independent study projects, senior theses and master’s level projects. The College is especially interested in candidates who wish to contribute to the diversity and excellence of the academic community through teaching, scholarship and service. Candidates from underrepresented groups, women, and those whose knowledge or skills support an inclusive culture and learning environment are especially encouraged to apply.
To apply, visit: ncf.simplehire.com/applicants/jsp/shared/position/...

(35) SAMSI postdoctoral positions

The Statistical and Applied Mathematical Sciences Institute (SAMSI) is soliciting applications from statistical, mathematical and computational scientists for up to 6 postdoctoral positions for the SAMSI research programs in 2019-2020. The three programs are: (1) Games, Decisions, Risk and Reliability, (2) Deep Learning, and (3) Causal Inference. Appointments will begin in August, 2019 and typically run for two years, although they can also be arranged for a single year. Appointments are made jointly between SAMSI and one of its partner universities (Duke University, North Carolina State University, and the University of North Carolina Chapel Hill). Teaching opportunities may be available. The positions offer extremely competitive salaries, a travel stipend, and health insurance benefits.

Criteria for selection of SAMSI Postdoctoral Fellows include demonstrated research ability in statistics, applied mathematics, and/or computational science, excellent computing skills, and the ability to communicate both orally and in writing. Also, the preferred applicant will have a strong interest in one or more of the research programs scheduled for 2019-2020. The deadline for full consideration is December 15, 2018, although later applications will be considered as resources permit.

Please specify which SAMSI programs you are applying for in your cover letter and why you believe you would be a good fit for those programs.

To apply, go to mathjobs.org:

SAMSPD2019 Job #12160

To see more about these programs, visit:

- www.samsi.info/games-19-20
- www.samsi.info/deep-learning-19-20
- www.samsi.info/casual-inf

Funding opportunities and information

(1) New NSF funding opportunity: Harnessing the Data Revolution: Data Science Corps (HDR DSC)

A new NSF program solicitation (NSF 19-518) is now available: Harnessing the Data Revolution: Data Science Corps (HDR DSC), Building Capacity for HDR


Full Proposal Window: January 28, 2019 - February 4, 2019

(2) NSF Director’s Notes
The monthly blog of NSF Director France Córdova can be viewed at https://mailchi.mp/science360/nsf-directors-notes-may-2025525?e=845c412d7e

Workshops, Webinars and Conferences

(1) Recent Advances in Causal Inference and Mediation Analysis and their Applications
Please circulate the below link about the University of Florida Workshop on "Recent Advances in Causal Inference and Mediation Analysis and their Applications" to be held this January. And also note the deadline for submitting abstracts for the poster session has been extended to December 15. Travel awards for the poster session are available for advanced PhD students and junior faculty.

(2) Call for proposals for the 2018/19 Statistics of Income Joint Statistical Research Program
This year’s call will be open until the end of the year and all the details can be found by clicking “2018” at the link below:

The following subjects are of particular interest to the IRS and the tax research community:
- Tax administration in a global economy
- Taxpayer needs and behavior, particularly the roles of information, complexity, salience, engagement, and compliance costs
- Filing, payment, and reporting compliance measures, behaviors, and drivers
- Taxpayer response to policy changes, particularly taxpayer responses to changes in incentives
- Role of complex business structures in tax planning
- Application of new research methods for tax administration, particularly data science, behavioral insights, or other interdisciplinary approaches

(3) Calls for topic-contributed session proposals, ISBS 2019 in Kyoto
The Scientific Program Committee (SPC) of the International Society of Biopharmaceutical Statistics (ISBS) 6th International Symposium on Biopharmaceutical Statistics (ISBS 2019) calls for topic-
contributed (TC) session proposal. The ISBS 2019 will be held 26-30 August 2019 at Kyoto International Conference Center in Kyoto, Japan.

TC sessions can be paper (three to five presenters and/or discussants), or panel (three to six panelists) on a particular statistical topic in clinical trials or medical product development. TC session will be 90 minutes long. For a topic contributed session proposal, please submit the completed template (download the template at www2.aeplan.co.jp/isbs2019/files/invited_topic.doc), including

- Session Type (Topic-contributed)
- Session Subtype (Paper or Panel)
- Session Title
- Session Organizer(s)
- Session Chair(s)
- Session Description
- Short description of session, including focus, content, timeliness, and appeal
- Speakers/panelists, including affiliation and email address for each participant and tentative title for each presentation
- Format of session (e.g., chair, three speakers, and discussant)

TC session proposals should be sent by e-mail to Toshimitsu Hamsaki: toshi.hamasaki@ncvc.go.jp, with the subject line: ISBS 2019 Topic-Contributed Session Proposal. Proposals should be submitted on or before 15 January 2019. Additional information on the ISBS 2019 is available at www2.aeplan.co.jp/isbs2019/index.html

The selection of TC session proposals is a competitive process due to the limited number of slots. TC proposals will be evaluated by the SPC, and the organizers will be informed of acceptance or rejection decision by late February 2019

Please note that there are a limited number of TC session slots, and that, unfortunately, the ISBS 2019 is unable to provide funding to cover travel expenses or registration fees for speakers participating in TC sessions. Thank you for your support of the ISBS 2019. We look forward to seeing you in Kyoto.

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**Awards and Other Opportunities**

1. **Nominations invited for the 2019 Monroe G. Sirken Award**

The Monroe G. Sirken Award in Interdisciplinary Survey Methods Research was established in 2014 to recognize a distinguished researcher for contributions to interdisciplinary survey research that have improved the theory and methods of collecting, verifying, processing, presenting, or analyzing survey data. The inaugural award was presented to Norman Bradburn at the 2015 Joint Statistical Meetings.
Subsequent awardees were Eleanor Singer in 2016, Michael Brick in 2017, and Colm O'Muircheartaigh in 2018.

Under an agreement reached in 2017, the American Association for Public Opinion Research (AAPOR) joined the American Statistical Association (ASA) as co-sponsor of the award. Under the agreement, the award will follow a four-year cycle, with ASA hosting the award for two years, AAPOR hosting the award the next two years, and so on. The focus of the award will shift with the host. During the ASA years the award will recognize the contributions of individuals who have improved the utility and efficiency of sample surveys by applying the theories and methods of the *statistical and computer sciences*. When AAPOR presents the award, contributions applying the theories and methods of the *social, psychological, and cognitive sciences* will be emphasized. In 2019, with ASA hosting the award, the awardee will give the Sirken Lecture (an invited paper) at the Joint Statistical Meetings and receive a $5,000 honorarium.

The Sirken Award committee invites nominations for the 2019 award. Nominations are due December 15, 2018. A nomination packet should include a nominating letter, three supporting letters, and a curriculum vita for the nominee. Send nominations to awards@amstat.org or via mail to 732 N. Washington Street, Alexandria, VA 22314, attention Award Nominations.

(2) ASA SLDS 2019 Student Paper Competition

Call for papers

Student Paper Competition - [JSM 2019](#)

Sponsored by: ASA Section on Statistical Learning and Data Science

Key dates: December 15th, 2018 (11:59pm EST)

The Section on Statistical Learning and Data Science (SLDS) of the American Statistical Association (ASA) is sponsoring a student paper competition for the 2019 Joint Statistical Meetings in Denver, Colorado, on July 27th-August 1st, 2019. The paper should be original theoretical, methodological, or applied research that uses principles of statistical learning and data science. Papers that have been accepted for publication are NOT eligible for the competition. Student winners will present their papers in a designated topic-contributed session at the 2019 JSM organized by the award committee. In this session, they will be presented a monetary prize ($1000) and an award certificate.

Eligibility:

- The student (graduate or undergraduate) must be enrolled in a degree granting institution on December 1, 2018.
- The student must be the first author of the paper.
- The paper must NOT be accepted for publication at the time of submission.
- The student must be a member of the ASA SLDS section.
- The student must be willing to attend and present his or her paper at the 2019 JSM.
- Students may only submit a manuscript to be considered for student paper competitions to at most two ASA sections.
Applications: Please use this form to submit your paper by December 15th, 2018, 11:59 EST. This form will ask you to upload a blinded manuscript that removes any author identifying information. The submitted manuscript can follow any style and formatting. All materials must be in English.

Selection Criterion: Submissions will be reviewed by the SLDS Student Paper Competition Award committee. The selection criteria used will include statistical novelty, innovation and significance, relevance to statistical learning and data science, and the professional quality of the manuscript.

(3) Data Challenge Expo 2019

Three ASA sections (Computing, Government, and Graphics) are proud to sponsor the, now annual, Data Challenge Expo 2019 at the JSM 2019 meetings. The contest is open to anyone who is interested in participating, including college students and professionals from the private or public sector. This contest challenges participants to analyze a government data set using statistical and visualization tools and methods. There will be two award categories – Professional (one level with a $500 award) and Student (three levels with awards at $1,500, $1,000, and $500).

Contestants will present their results in a speed poster session at the JSM and must submit their abstracts to the JSM online system. Presenters are responsible for their own JSM registration and travel costs, and any other costs associated with JSM attendance. Group submissions are acceptable. To enter, contestants must do the following by February 4, 2019.


- Forward the JSM abstract submission email to Wendy Martinez (martinez.wendy@bls.gov).

The data set for the Data Challenge Expo 2019 will be the New York City Housing and Vacancy Survey. Public use data files and documentation are available here: www.census.gov/programs-surveys/nychvs.html. Contestants must use some portion of the New York City Housing and Vacancy Survey data, but can also combine other data sources for the analysis. We are gathering some possible research questions and will be posting them in the future. If you have any questions on the Data Challenge Expo 2019 please reach out to Wendy Martinez (martinez.wendy@bls.gov).

(4) Statistics in Imaging 2019 Student Paper Competition

The Statistics in Imaging Section of the ASA cordially invites submissions for a student paper competition for research on statistical methods, theory or software development for the analysis of imaging data. The selected winners will receive a certificate and present their papers in a topic-contributed session at the Joint Statistical Meetings, Jul 27, 2019 – Aug 1, 2019, in Denver, Colorado, United States. The first place winner and a number of runners-up will also receive a cash prize of $1,000 and $500, respectively.

To be eligible, the student must satisfy the following criteria:

- Be a degree candidate at an accredited institution in any term during 2018.

- Be a current member of the Statistics in Imaging Section of the ASA and be able to present the paper at the 2019 JSM.
Be the first author of the paper. The paper must not be published or accepted for publication at the time of submission.

The deadline for application is December 30, 2018. Formal application should be sent to Statistics in Imaging Section 2018 Program Chair-Elect, Dr. Linglong Kong, at lkong@ualberta.ca with the following attachments in PDF format:

- The applicant’s Curriculum Vitae;
- An unblinded version of the manuscript with no more than 25 pages, including the abstract, figures, tables and references;
- A blinded version of the manuscript;
- A letter from a faculty member familiar with the student's work. The faculty letter must include a verification of the applicant's student status and, in the case of joint authorship, should indicate what is the contribution of the applicant to the paper.

The award committee will review the papers, and winners will be notified by January 21, 2018. Students may submit papers to no more than two ASA sections and may accept only one section’s award. Students must inform both sections they applied to immediately when he or she wins and accepts an award, thereby removing the student from the award competition for the other section. Additional important information on the competition can be accessed on ASA's "Student Paper Competition/Travel Award to Attend the Joint Statistical Meetings".

Please send questions regarding the student paper competition to Dr. Linglong Kong at lkong@ualberta.ca.

(5) Nominations for Jeanne E. Griffith Mentoring Award

The Jeanne E. Griffith Mentoring Award Selection Committee will start accepting nominations for the 2019 award starting January 2, 2019. To learn more about the Jeanne E. Griffith Mentoring Award please click the link below (note that this information currently refers to the 2018 award):

community.amstat.org/governmentstatisticsssection/home

For a 2019 application package, please send an email to Bill Mockovak Mockovak.William@bls.gov.

This recognition is awarded annually to a supervisor, technical director, team coordinator, or other member of Federal, State, or Local government statistical staff for his or her efforts in supporting the work and developing the careers of junior statisticians.

Completed nomination packages should be mailed or emailed no later than March 22, 2019, to:
The Jeanne E. Griffith Mentoring Award Committee
c/o The American Statistical Association
732 N. Washington Street
Alexandria, VA 22314-1943
Email: rick@amstat.org

If you have questions about the award, please contact Rick Peterson at rick@amstat.org or (703) 684-1221, or the chair of the Award Committee: Bill Mockovak at Mockovak.William@bls.gov.

(6) Nominations for 2019 Gertrude M. Cox Award
The Gertrude M. Cox Award Committee is seeking nominees for the 2019 Gertrude M Cox Award.

- In memory of Dr. Cox (1900-1978), one of the founders of modern statistics, President of the American Statistical Association (1956)
- In recognition of early- to mid-career statisticians who have made significant contributions to areas of statistics in which Dr. Cox worked
- Sponsored by the Washington Statistical Society and RTI International

The award was established in 2003 through a joint agreement between the Washington Statistical Society (WSS) and RTI International. The award annually recognizes a statistician in early to mid-career (less than 15 years after terminal degree in statistics or related field) who has made significant contributions to one or more of the areas of applied statistics in which Gertrude Cox worked: survey methodology, experimental design, biostatistics, and statistical computing.

The award is in memory of Gertrude M. Cox (1900-1978). In 1945, Dr. Cox became director of the Institute of Statistics of the Consolidated University of North Carolina. In the 1950's, as Head of the Department of Experimental Statistics at North Carolina State College, she played a key role in establishing Mathematical Statistics and Biostatistics Departments at the University of North Carolina. Upon her retirement from North Carolina State University in 1960, Dr. Cox became the first head of Statistical Research Division at the newly founded RTI. She was a founding member of the International Biometric Society (IBS) and in 1949 became the first woman elected into the International Statistical Institute. She served as president of both the American Statistical Association (1956) and the IBS (1968-69). In 1975 she was elected to the National Academy of Sciences.

The award is presented at the WSS Annual Dinner, usually held in June, with the recipient delivering a talk on a topic of general interest to the WSS membership before the dinner.

This award is made possible by funding from RTI International, and the recipient is chosen by a six-person committee - three each from WSS and RTI. This year’s committee consists of WSS President Tom Krenzke (co-chair), WSS Past President Linda Young, and WSS President-Elect Eileen O’Brien; and Abhik Das, Phil Kott, and Karol Krotki (co-chair) from RTI. The award includes a $1,000 honorarium, travel expenses to attend the WSS Annual Dinner, and a commemorative WSS plaque. Past recipients, in chronological order: Sharon Lohr, Alan Zaslavsky, Tom Belin, Vance Berger, Francesca Domenici, Thomas Lumley, Jean Opsomer, Michael Elliott, Nilanjan Chatterjee, Amy Herring, Frauke Kreuter, Jerome Reiter, Jae Kwang Kim, Bhramar Mukherjee, Elizabeth Stuart, and David Haziza.

Please email your nominations to Karol Krotki (kkrotki@rti.org) by 28 February, 2019. The nomination should consist of the candidate's cv (or link) and a supporting statement from the nominator.

If you have previously nominated a candidate and you wish that nomination to be reconsidered, we strongly encourage an update of the supporting materials.

(7) "Teaching Data Science" and the Journal of Statistics Education

The Journal of Statistics Education (JSE) disseminates knowledge for the improvement of statistics education at all levels, including elementary, secondary, post-secondary, post-graduate, continuing, and workplace education. It is distributed electronically and, in accord with its broad focus, publishes articles that enhance the exchange of a diversity of interesting and useful information among educators,
practitioners, and researchers around the world. The intended audience includes anyone who teaches statistics, as well as those interested in research on statistical and probabilistic reasoning. All submissions are rigorously refereed using a double-blind peer review process.

Beginning in 2019 the journal will be adding a section on "Teaching Data Science" that will be headed by Nicholas Horton (Amherst College). The 2018 National Academies Report "Data Science for Undergraduates: Opportunities and Options" (nas.edu/envisioningds) noted that a critical task in the education of future data scientists and statisticians is to instill data acumen, which was defined in terms of the following areas:

- Mathematical foundations for data science,
- Computational foundations for data science,
- Statistical foundations,
- Data management and curation,
- Data description and visualization,
- Data modeling and assessment,
- Workflow and reproducibility,
- Communication and teamwork,
- Domain-specific considerations, and
- Ethical problem solving.

To make sense of the data that surrounds them, students require exposure to key concepts in data science, a foundation in data technologies, opportunities to undertake the complete data analysis cycle, and an understanding of ethical considerations. While these have always been part of the mission of JSE, these learning outcomes, while part of a traditional statistics curriculum, now are receiving considerably more emphasis.

For this new section we envision a mixture of "what" and "how" articles related to data science and data acumen. What should students learn about computation and data technologies? How should analytic tools and workflows be taught?

We see this new section as a way to (a) help statisticians be aware of what is happening at the intersection of statistics, computer science, and domain application areas and (b) help the community develop greater facility with more sophisticated algorithmic foundations, data technologies, and novel statistical methods. We hope that a regular series of papers in JSE will benefit readers who want to explore how to teach these new learning outcomes now prominently appearing in statistics and data science courses and programs. Other papers in this section might explore new technologies, approaches, techniques, activities, courses, or new units added to existing courses.

More information about the journal can be found at www.tandfonline.com/toc/ujse20

Prospective authors are encourage to contact Nicholas Horton (editor of the "Teaching Data Science" section, nhorton@amherst.edu) or Jeffrey Witmer (JSE editor, jeff.witmer@oberlin.edu).

(8) NSF Mathematical Sciences Graduate Internship opportunities

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

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

Please see https://orise.orau.gov/nsf-msgi/default.html for details and instructions on how to apply.

Application deadline: January 15, 2019

Eligibility Requirements

Students meeting the following conditions will be considered:

- Be enrolled as a full-time graduate student at an accredited U.S. college or university during the 2018-2019 academic year.
- Have a cumulative graduate GPA of 3.00 or higher on a 4.00 scale, including Fall 2018.
- Be pursuing a doctoral degree in mathematics, statistics, or applied mathematics.

Additional Information:

- Candidates selected for an internship appointment will be required to provide proof of enrollment during Spring 2019.
- Students graduating with a doctoral degree prior to the expected internship start date are not eligible to participate.
- First-year graduate students must submit their undergraduate transcript, including the last year of courses, degree, and date degree was awarded.

(9) Mathematical Sciences Semesters in Guanajuato: a new international study program at CIMAT, Mexico

An innovative undergraduate program in Data Science, Modeling, and more, combining Mathematics, Statistics and Computer Science at the Guanajuato Mathematics Research Centre (CIMAT)

Mathematical Sciences Semesters in Guanajuato (MSSG) is an international program open to students with a strong grounding in Mathematics who want to increase their knowledge of data science, modeling and partial differential equations from a comprehensive, forward-looking, and cutting-edge perspective while acquiring a solid theoretical foundation, as well as exploring the rich culture of Mexico and learning Spanish as they go in the beautiful city of Guanajuato, one of Mexico’s most fascinating tourist destinations.

The program offers two independent semesters, one in Mathematical Tools for Modeling in the fall, and a second one in Mathematical Tools for Data Science in the spring, plus a separate summer program in Partial Differential Equations, all three taught entirely in English. Students will learn the fundamental theoretical bases of pure mathematics, quantitative methods, statistical models, and computer science, equipping them with the ability to choose relevant and efficient algorithmic solutions for solving problems in data science and mathematical modeling. The summer program combines theory,
numerical methods, and applications to mathematical finance. The program has been developed based on the strengths of CIMAT in Pure and Applied Mathematics, Statistics, and Computer Science, and has been designed with an integrative approach to mathematics with emphasis on applications. In addition, the program offers optional courses in Spanish and Mexican culture, with the enriching possibility for the students of immersing themselves in the lively cultural life of Guanajuato.

This program is offered by CIMAT, one of Mexico’s leading research centers in the fields of Mathematics, Statistics, and Computer Science, focusing particularly on enhancing the relationship between these disciplines. With four decades of experience, CIMAT is recognized both at home and abroad for its tradition of educational excellence and its contribution to the development of students from both Mexico and around the world. CIMAT is also well-known for its applied research projects, its technological and consulting services, and its training programs and initiatives for the dissemination of mathematical knowledge. CIMAT also played an important role both in the 2013 International Year of Statistics and in the Mathematical Congress of the Americas, which CIMAT hosted in 2013.

CIMAT has a spectacular view from its location in the mountains of the historic city of Guanajuato. Capital of the state, the city is one of the architectural jewels of central Mexico and is listed by UNESCO as a World Heritage Site. Marrying centuries of tradition with a vibrant young population, Guanajuato is also the state’s most important student city, home to the state’s largest educational institution, the University of Guanajuato. Thanks to its rich history and friendly atmosphere, tens of thousands of visitors from all over the world flock to the city each year, making this one of the liveliest and most cosmopolitan cities in all Mexico, famed for its educational excellence, its cuisine, its nightlife, and its friendliness to visitors.

For more information, please visit mathsciencesgto.cimat.mx

*Currently for summer 2020 and 2021 only; topics may vary in the future.

**American Journal of Public Health: Call for Statistical Deputy Editor**

The *American Journal of Public Health* is searching for a new Statistical Deputy Editor with a publication record in biostatistical/statistical and epidemiological methods, with a specific focus on public health interventions and population health sciences. Preference will be given to candidates with:

- a PhD or DrPH in biostatistics/statistics or epidemiology (preferably at a mid-career stage);
- previous editorial experience.

The responsibilities of the *American Journal of Public Health* Statistical Deputy Editor include carefully checking the methodological (biostatistics/statistics and epidemiology) and the technical (Tables and Figures) components of each version of all research articles at each stage of the editorial peer review process, that is, before revision or acceptance decisions are taken. The Statistical Deputy Editor works closely with the Editor-in-Chief, the Senior Deputy Editor, and the Deputy Editor.

After initial internal screening of all submissions by the Editor-in-Chief and the Senior Deputy Editor, the *American Journal of Public Health* currently sends out around 400 research papers for external peer review per year. On average, each of those papers receives two to three external peer reviews. The specific duties of the Statistical Deputy Editor involve checking approximately 8 to 12 articles that pass the initial internal screening per week; this activity should be expected to require between half and one full day of work per week.
The Statistical Deputy Editor is contracted by the American Public Health Association (APHA) and appointed for a 6-month probationary period, which can be extended to a 3 year contract. An honorarium is provided; the position will begin as soon as possible.

To Apply: Please submit a CV and a brief cover letter describing your interest in serving as the Statistical Deputy Editor for the Journal as well as prior editorial experience to marwa.fadlalla@apha.org.