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Positions

1. **University of Virginia, Department of Statistics: open rank position**

The Department of Statistics at the University of Virginia (UVa), College and Graduate School of Arts & Sciences, invites applicants for a tenured/tenure-track open rank faculty position (Assistant, Associate, or Full Professor). All research areas in Statistics are considered. The Department is experiencing increased student demand in both statistics and computing, so we welcome those whose research and teaching span statistics, computing, and computational sciences. The appointment begins with fall term of 2018 (anticipated start date of July 25, 2018). In addition to developing external funding to support research endeavors, candidates will be expected to teach at the graduate and undergraduate levels, advising Ph.D. students, and provide service to the university, department and professional organizations.

Qualifications

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(5) **May 6-8, 2018: 30th Annual Kansas State University Conference on Applied Statistics in Agriculture**

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Applicants must be on track to receive a Ph.D. in Statistics, Biostatistics, Computer Science, or a relevant field by May 2018 and must hold a PhD at the time of appointment.

Application Instructions

Review of applications will begin December 1, 2017; candidates who apply by then will be given full consideration, but the position will remain open until filled. To apply, candidates must submit a Candidate Profile through Jobs@UVa (https://jobs.virginia.edu), search on posting number 0621874 and attach the following required documents: Cover letter; CV; Statement describing research agenda; Statement of teaching philosophy and experience; Contact information for at least 3 references. The University will perform background checks on all new faculty hires prior to making a final offer of employment. For questions, please contact Karen Dalton, kdalton@virginia.edu (434) 924-3222

(2) University of Virginia, Department of Statistics: assistant professor, general faculty

The Department of Statistics at the University of Virginia invites applications for the position of Assistant Professor, General Faculty. This teaching non-tenure track position has three-year renewable contracts and, with successful reviews based primarily on teaching and service, the opportunity for promotion to Associate and Full Professor. The successful candidate will teach three courses per term, typically with only one or two distinct course preparations. Other duties include student advising, curriculum development, and other departmental and university service. Professional activity that enhances teaching is strongly encouraged. The salary is market-competitive, and voluntary summer teaching for additional compensation is usually available.

The area of specialization is open, but the Department is experiencing increased student demand in both statistics and computing, so we particularly welcome those whose teaching experience spans statistics, computing, and computational sciences. The appointment begins with fall term of 2018 (anticipated start date July 25, 2018).

The University of Virginia is committed to teaching excellence and offers numerous opportunities for development, both professionally and in creating innovative courses and curricula.

Applicants must hold a PhD in Statistics or a related field and have a documented record of teaching courses in statistical theory, applications, and/or computation. To apply, candidates must submit a Candidate Profile via Jobs@UVa (https://jobs.virginia.edu); search on posting number 0621875 and electronically attach the following: cover letter, statement of teaching philosophy and experience, CV, and contact information for at least three references.

To ensure priority consideration, all application materials must be received by November 30, 2017. The position will remain open until filled.

Questions regarding the position should be directed to Professor Jeff Holt, jeff@virginia.edu. For questions about the application process in Jobs@UVa, contact Karen Dalton, kwd2n@virginia.edu (434) 924-3222.

(3) University of Rochester, Department of Biostatistics and Computational Biology: open rank position
The Department of Biostatistics and Computational Biology (DBCB) at the University of Rochester invites applications for an open rank tenure-track position. Desirable candidates must have developed an active program in methodological research and should be enthusiastic about contributing to our Ph.D. program through teaching and advising graduate students. The DBCB has a preference for attracting applicants with dual interests in the development of statistical and computational methodology and collaborative biomedical research. The University of Rochester has a strong tradition of scientific crossdisciplinary collaboration and provides excellent opportunities for interaction with outstanding scientists across the translational research spectrum. An Equal Opportunity Employer, the University of Rochester is committed to hiring a diverse faculty and to building a culturally diverse and inclusive community where members from all backgrounds can learn and thrive.

The DBCB is interested in attracting faculty candidates with expertise relevant to contemporary medical and public health research applications. Particularly encouraged to apply are candidates with expertise / interests in: the modeling and analysis of genomic-level data (e.g., epigenomics, metabolomics, causal networks and variant determination, modern GWAS methods); biological / social network applications; the modeling and analysis of data derived from mobile sensors and related remote monitoring tools; clinical trials (e.g., adaptive designs); and, the modeling and analysis of neuroimaging data (e.g., functional MRI, EEG, NIRS).

Position Qualifications: Doctoral degree in biostatistics, statistics or strongly related discipline. Candidates must have excellent oral and written communication skills. Commensurate with their current rank, candidates for Associate and Full Professor positions should also have: an excellent track record of peer-reviewed publications; demonstrated success in attracting extramural research funding; and, experience with mentoring graduate students and/or postdoctoral scholars.

To apply: Candidates should submit a cover letter and CV, along with research and teaching statements. Candidates for Assistant and Associate Professor positions should arrange to have 3 letters of reference sent to the (email or US mail) address below. Candidates for Full Professor should submit the names and contact information of at least 3 individuals willing to provide letters of reference as part of their cover letter. Review of candidate files will commence November 13, 2017 and will continue until the position is filled. These materials should be emailed in a single PDF file to STFacultySearch@urmc.rochester.edu. Candidates who prefer to send hard copies should mail these to the following address:

Open Rank Faculty Position c/o Malora Zavaglia
University of Rochester Medical Center
Department of Biostatistics & Computational Biology
601 Elmwood Avenue, Box 630
Rochester, NY 14642

(4) Colorado State University, Department of Statistics: assistant professor

The Department of Statistics at Colorado State University invites applications for a tenure track position in statistics. The appointment will be at the Assistant Professor level with duties commencing August 2018. A Ph.D. in statistics or a related field and a commitment to high—quality research in statistics and excellence in teaching are required. The search is open to all areas of statistical inference for data science; for example, statistical machine learning, large-scale computational statistics, and other
emerging areas. Applicants should have the ability to contribute to the development and teaching of statistical data science courses at all levels (see undergraduate course descriptions at http://www.stat.colostate.edu/statacademics/DSCI%20Courses.pdf), in collaboration with data science partners in Computer Science and Mathematics. Preference will be given to candidates with strong potential to continue the Statistics department's tradition in interdisciplinary research and education.

An application includes a cover letter, complete CV, graduate transcripts, teaching and research statements, and three letters of reference. The CV must address teaching experience. Application materials can be uploaded at https://jobs.colostate.edu/postings/50143. Complete application instructions are available at that site.

Applications completed by November 15, 2017 will receive full consideration, but applications will be accepted after this date until the position is filled. Applications of semifinalist candidates, including letters of reference, will be made available for review by the entire faculty of the Department of Statistics.

(5) University of Cincinnati, Department of Mathematical Sciences: assistant professor

The Department of Mathematical Sciences is seeking applications for a tenure-track assistant professor position in statistics with research emphasis in statistical and computational methods for big data or related areas. The appointment will begin on August 15, 2018.

The job duties include maintaining an active research program in statistics, mentoring graduate students, teaching both graduate and undergraduate courses in statistics and related areas, and providing service to the Department such as serving on departmental committees. The normal teaching load for research-active faculty is 6 credit hours per semester with a 25% reduction for new faculty in each of the first 2 years and a reduced service role.

The position requires a PhD degree in statistics, or a related field with a focus on statistics, awarded by August 14, 2018. Completed applications consisting of a cover letter, CV, research statement which includes experience (if applicable) and plans, as well as a teaching statement which includes experience (if applicable) and philosophy, and three letters of recommendation should be submitted @ www.mathjobs.org/jobs/jobs/10884. Applicants should also submit a CV, a cover letter and a statement (maximum 1 page) on your commitment to diversity and inclusion and how that impacts your professional philosophy, on UC's recruitment system at the link listed in the detailed ad on mathjobs.org. Review of applicants will begin on December 1, 2017. Inquiries concerning the position should be directed to Dr. Siva Sivaganesan, the Search Committee Chair, or Dr. Shuang Zhang, Head, Department of Mathematical Sciences.

(6) Harvey Mudd College, Department of Mathematics: tenure-track position

Harvey Mudd College invites applications for a tenure-track position in mathematics, beginning Fall 2018, at the assistant professor level (or at the associate professor level in exceptional cases). All areas broadly related to mathematical data science and data analytics will be considered. Data science is a growing area of interest in our department, and may include studies of real data through statistics, probability, operations research, mathematical biology, linear algebra, geometry, topology, abstract algebra, graph theory, numerical analysis, scientific computing, optimization, or applied and industrial
mathematics. The new faculty member will have the opportunity to play an important role in the development of data science initiatives.

The successful candidate will have a PhD by the time of appointment, a demonstrated excellence in teaching, and a strong research program that can effectively contribute to our many undergraduate research activities, which include summer research, senior thesis, and math-in-industry senior capstone projects. Harvey Mudd College is committed to broadening the participation of students in STEM fields. Therefore, experience with or demonstrated ability to teach or mentor underrepresented students are among the criteria for appointment.

Applications must be submitted through the MathJobs.org website (Position ID: Mudd-TTFAC #10390), and preference will be given to applications completed by November 15, 2017. Applicants should submit:

- A cover letter: To further assist the search committee in its screening process, all cover letters must specifically address
  - How an applicant's research and teaching interests will contribute to the strengths of the department, in particular with respect to data science initiatives.
  - Information about the applicant's interests or experiences in promoting inclusion and diversity in the mathematical sciences.
- A curriculum vitae.
- A research statement.
- A teaching statement.
- Three letters of recommendation. At least one letter should specifically address teaching.

For further information contact: Dr. Susan Martonosi (martonosi@hmc.edu) and Dr. Talithia Williams (twilliams@hmc.edu) Co-Chairs, Tenure-Track Search Committee, Department of Mathematics, Harvey Mudd College.

(7) University of Pittsburgh Dietrich School of Arts and Sciences, Department of Statistics: 
Advanced associate or full professor

The University of Pittsburgh Dietrich School of Arts and Science is seeking applications for a tenured position in the Department of Statistics beginning September 2018, at the level of advanced associate or full professor.

The candidate should have established a strong methodological research program in mainstream modern statistics, with a solid record of publications and research funding. Ideally the candidate’s research can be related to the advantages of Pitt’s resources, such as diverse departments within the Dietrich School of Arts and Sciences, strong medical school, and the newly established School of Computing and Information. The successful candidate must also demonstrate excellence in teaching, mentoring graduate and/or undergraduate students, and administration. Tenured faculty in the Department of Statistics serve as chair on a rotating basis, and the candidate should expect to serve as chair in the near future, if not immediately upon employment. (This position is subject to final budgetary approval.)

Information about the department can be found at http://www.stat.pitt.edu/. Informal inquiries about this position may be directed to Dr. Yu Cheng, Interim Chair, at yucheng@pitt.edu. Applicants should
submit a detailed cover letter, a curriculum vitae, 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: https://facultysearch.as.pitt.edu/apply/index/MjAw. Review of applications will begin January 8, 2018, and will continue until the position is filled.

(8) Bocconi University (Italy), Department of Decision Sciences, Assistant Professor of Statistics

The Department of Decision Sciences at the Bocconi University (Milano, Italy) is an amazingly vibrant academic community, which consists of 27 Faculty members. Applications from outstanding candidates are invited for tenure-track positions at the Assistant Professor level in the areas of interest of the Department, which include Statistics, Probability and Machine Learning. The successful candidates will be expected to develop a strong publication record, broadly contribute to the academic life of the department and be effective teachers both at the undergraduate and graduate level.

Compensation and teaching load will be competitive with other top European Schools. The appointments will commence in Fall 2018.

In order to receive full consideration, the applicants should have, or be close to completing, a Ph.D. and show high potential in research. Applications must be submitted online at www.unibocconi.eu/jobmarket by the 7th January, 2018.

For additional information concerning the Department of Decision Sciences visit www.unibocconi.eu/departments/decision+sciences. Informal inquiries and further information on the position may be requested to daniele.durante@unibocconi.it.

(9) University of California, Santa Barbara: assistant professor, neuroscience

Open date: October 9th, 2017
Next review date: December 8th, 2017
Apply by this date to ensure full consideration by the committee.
Final date: June 30th, 2018
Applications will continue to be accepted until this date, but those received after the review date will only be considered if the position has not yet been filled.

The College of Letters and Science at the University of California, Santa Barbara invites applications for a tenure-track Assistant Professor position in neuroscience, with the expected start date of July 1, 2018. The candidate will be appointed to one of the 9 departments within the College of Mathematical, Life &; Physical Sciences (www.science.ucsb.edu/programs). The departmental affiliation will be determined based on the candidate’s specific research interests. We are particularly interested in candidates who can bring new expertise and thinking to the study of the mind and brain. Special preference will be given to candidates capable of bridging two or more fields. Specific research areas include, but are not limited to:

- Biosensing; chemical/molecular probe development for magnetic, acoustic, spectroscopic, or optical brain imaging
• Optical neuroimaging; neuro-photonics; super-resolution microscopy; quantum sensing
• Statistical and computational neuroscience; functional mapping and connectivity analysis
• Dynamical systems and control; network theory

This position is part of the University of California, Santa Barbara’s expansion in neuroscience, capitalizing on our existing brain research programs across molecular, cellular & developmental biology; psychological & brain sciences; engineering; physics; photonics; computer science; statistics; geography; and evolutionary biology among others. As an integral member of the UCSB Brain Initiative, the candidate will have the opportunity to leverage our collaborative research environment, building a multi-disciplinary research program that spans departments within the College of Letters and Sciences and across the university.

Applicants for this position must have a Ph.D. or an equivalent degree in a field within the Mathematical, Life, or Physical Sciences by the time of application. Candidates may hold postdoctoral (or equivalent) appointments. Applicants currently holding the rank of Assistant Professor (or equivalent) are also welcome to apply. Applicants should have outstanding records of research accomplishment. A commitment to teaching is also important.

Responsibilities will include teaching at both the graduate and undergraduate levels while developing an outstanding program of research.

Applications must be submitted electronically at recruit.ap.ucsb.edu/apply/JPF01093. Applications received by December 8, 2017 will be given priority consideration, but the position will remain open until filled. Completed applications will consist of a cover letter, curriculum vitae, teaching statement (2-page limit), and a statement of research interests (2-page limit). Applicants will also need to arrange for 3 referees to submit letters of recommendation on their behalf via the recruitment website.

More information about the College of Mathematical, Life, & Physical Sciences can be found at www.science.ucsb.edu. Questions can be emailed to queenan@brain.ucsb.edu.

University of Georgia Franklin College of Arts and Sciences, Department of Statistics: assistant professor position in statistical machine learning

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

To apply for the position, candidates should visit http://facultyjobs.uga.edu/postings/2909 and provide all of the requested information. At this site, candidates should also upload an application letter, a curriculum vita, a research summary statement that highlights an interest in and contributions to statistical machine learning research, a statement on teaching philosophy, and an unofficial copy of the graduate school transcript. Upon receipt of the application, the three references supplied by the applicant will be asked to submit letters of recommendation at the same website. Applications will be considered until the position is filled, and those received by January 2, 2018, will receive full
consideration. For more information about the department and the university, please go to http://www.stat.uga.edu

(11) University of Georgia, Department of Statistics: Lecturer Position in Statistics and Business Statistics

The Department of Statistics at the University of Georgia invites applications for a position as Lecturer in the area of statistics and business statistics, starting August 2018. Applicants must have a Ph.D. degree in Statistics or a closely related discipline by August 1, 2018. The person in this position is expected to teach sections of an introductory business statistics course, MSIT 3000, some advanced undergraduate courses and/or lower level graduate courses, spanning a range of topics. Scholarly and teaching credentials must reflect a strong commitment to teaching. Like all faculty members, the person hired is expected to be engaged in the activities of the department. This is a non-tenure-track faculty rank with a career ladder.

To apply for the position, candidates should visit http://facultyjobs.uga.edu/postings/2907 and provide all of the requested information, including contact information for three references. At this site, candidates should also upload an application letter, a curriculum vitae, a teaching statement that addresses teaching philosophy and that highlights experience and interest in teaching undergraduate introductory statistics and business statistics courses, and an unofficial copy of the graduate school transcript. Upon receipt of the application, the three references supplied by the applicant will be asked to submit letters of recommendation at the same website. Applications will be considered until the position is filled, and those received by January 2, 2018, will receive full consideration. For more information about the department and the university, please go to http://www.stat.uga.edu

(12) Ohio State University, Department of Statistics: open rank position

The Department of Statistics in the College of Arts and Sciences at The Ohio State University invites applications for an Open Rank Faculty/Data Analytics Academic Program Specialist position to begin as early as January 2018.

The focus of this non-tenure-track faculty position is the enhancement of student learning in the university's undergraduate Data Analytics major (http://data-analytics.osu.edu) through teaching and academic program support and development. We seek individuals who are committed to excellence in undergraduate teaching and education and have interests and expertise in areas of statistics related to data analytics.

This faculty position—which has been designed to allow a motivated individual to impact undergraduate education both inside and outside of the classroom—is a hybrid position that consists of a 45% appointment as a non-tenure-track faculty member and a 55% appointment as a data analytics academic program specialist. The faculty portion of the appointment entails teaching three to four undergraduate statistics courses per year (nine contact credit hours). The academic program specialist portion of the appointment entails, in conjunction with other statistics faculty, coordination and development of the major program.

For appointment at the associate or full level, applicants should have demonstrated ability for leadership in the practice of data analytics and in statistical pedagogy and academic program
development at the undergraduate level. For appointment at the assistant level, applicants should have evidence of excellence in teaching at the undergraduate level and expertise in modern data analytic methods.

Candidates are expected to have a Ph.D. in Statistics (or related area) before starting in the position, and to present evidence of excellence in teaching and of expertise in statistical methodology related to data analytics.

Further information about the department can be found at http://www.stat.osu.edu/, and information about the undergraduate Data Analytics major can be found at http://data-analytics.osu.edu/.

Applicants should apply electronically at academicjobsonline.org/ajo/jobs/9833. Applicants should submit a cover letter, curriculum vitae, and statements of research and teaching interests, and arrange for submission of letters of reference. New or recent Ph.D. graduates are encouraged to include graduate school transcripts with their applications.

Review of applications will begin after the application deadline of October 22, 2017. Inquiries may be directed to Dan Miner at miner.58@osu.edu.

(13) Williams College

Williams College is inviting applications for a tenure track position in Statistics, beginning fall 2018, at the rank of assistant professor (a more senior appointment is possible under special circumstances). The candidate should have a Ph.D. in Statistics or a closely related field by the time of appointment. We are seeking candidates who show evidence and/or promise of excellence in teaching students from diverse backgrounds and a strong research program that can engage undergraduate students.

The candidate will become the sixth tenure-track statistician in the department, joining a vibrant and innovative group of statisticians with an established statistics major. For the full ad with application details and more information about the department, visit http://math.williams.edu/.

(14) University of Colorado, Boulder, Department of Applied Mathematics: assistant professor

The Department of Applied Mathematics at the University of Colorado Boulder invites applications for a tenure track faculty position at the Assistant Professor level to begin August 2018. The position is in the area of high dimensional data analysis (big data), with possible areas of emphasis including nonlinear optimization, analysis in high-dimensional spaces, randomized projections, probabilistic numerics, harmonic analysis, theoretical deep learning, and related areas. However, exceptional candidates in all fields of Applied Mathematics may be considered.

For the full advertisement as well as instructions on how to apply, please see: tinyurl.com/APPMCU2017. Consideration of applications began on October 16, 2017.

(15) University of Delaware, College of Agriculture and Natural Resources, Department of Applied Economics and Statistics: assistant professor in statistics
The Department of Applied Economics and Statistics at University of Delaware (UD) invites applications for a full time, tenure-track Assistant Professor in Statistics to begin fall 2018. Desired areas are listed below. The position will be a 9-month, academic-year appointment with approximately 60% of time devoted to research and 40% of time devoted to teaching. This position will contribute to the Delaware Will Shine blueprint (http://shine.udel.edu/) for a preeminent learner-centered research university through excellence in graduate education, innovative partnerships, and research efforts having local and global impact. The University of Delaware is launching a comprehensive, campus-wide initiative in Data Sciences that will include the College's Statistics faculty. In preparation for a surge in interest in Statistics and Data Sciences, the Department has hired three new faculty in Statistics in the last three years, and is currently searching for two additional faculty, including this position. This represents an almost complete faculty turnover in a four-year period, creating the opportunity to reshape the teaching, research and service missions of the Statistics Program.

RESPONSIBILITIES:

Research: Successful candidates will demonstrate the drive and vision to develop an innovative, cutting-edge, and internationally recognized research program in Statistics, as well as to collaborate with researchers within and outside the University. Specifically, the Statistics faculty has opportunity to participate in interdisciplinary collaboration with the Center for Bioinformatics and Computational Biology (www.cbcb.umd.edu/), Center for Applications of Mathematics in Medicine (http://www.mathandmedicine.org), Christian Care Health System (christianacare.org/), College of Health Sciences (chs.udel.edu/message/), and the Institute for Financial Services Analytics (lerner.udel.edu/centers/research-centers/...)

Teaching: A tenure-track assistant professor will be responsible for teaching three courses per year on regression and modeling related topics such as linear regression, advanced regression, generalized linear models, mixed effects models, nonlinear regression, among other topics. The successful candidate will support the BS and MS programs in Statistics, including a new, online MS program in Applied Statistics.

Service: In addition, there is the expectation to contribute to Department/University/Professional service activities and its mission of statistical literacy on campus.

REQUIREMENTS: A Ph.D. in Statistics (or a closely related field) with research interests in Theoretical and Applied Statistics, Bioinformatics, Biostatistics, Data Science, or Economics, among other related areas of application. The successful candidate will have a proven track record of excellence in research and a demonstrated commitment to high quality teaching at both the undergraduate and graduate levels.

SALARY: University of Delaware salaries and fringe benefit packages are highly competitive. Tenure-track professors receive one semester sabbatical leave during the third year of the appointment. A highly competitive start-up package will be available.

DEADLINE: Review of applications will begin on November 7, 2017, and continue until the position is filled.

APPLICATION: Submit all of the following application materials via Interfolio: (i) a letter of application, (ii) a curriculum vitae, (iii) one statement of research interests, (iv) one statement about teaching including courses taught, (v) up to three samples of research, and (vi) requests for at least three letters
of recommendation (requests are made through your Interfolio account). Submitted documents will be shared with departmental faculty.

For questions about the position, contact Dr. Jing Qiu (qiujing@udel.edu), Chair, Statistics Faculty Search Committee, Department of Applied Economics and Statistics, University of Delaware, Newark, Delaware.

(16) University of West Florida, Department of Mathematics and Statistics: assistant professor positions

The University of West Florida, Department of Mathematics and Statistics in Pensacola, FL invites applications for two full-time anticipated tenure-track positions (108370 & 124620) at the assistant professor level, beginning August 2018. A Ph.D. in Statistics, Biostatistics, Applied Mathematics or a closely related discipline from an accredited institution with a demonstrated record of achievement in teaching, academic research, and service is required. Candidates should have a strong commitment to instruction at the undergraduate and graduate levels, to scholarly activities, and to service at the department, college, and university levels.

To apply, please go to http://jobs.uwf.edu to create your application. Be sure to attach a letter of interest, Curriculum Vita, unofficial transcript(s), a statement of teaching philosophy, and a statement of research activities. The application also requires two letters of recommendation. Salary is commensurate with experience. The deadline to apply is 12/4/17 but the posting will remain open until filled.

(17) University of South Carolina, Arnold School of Public Health: assistant/associate professor of biostatistics

The Department of Epidemiology and Biostatistics in the Arnold School of Public Health (ASPH) at the University of South Carolina (USC) invites applications for a nine-month tenure-track position in Biostatistics at the rank of Assistant or Associate Professor. Candidates with research expertise in multivariate analysis, high-dimensional data analysis, robust and nonparametric statistics, multilevel modeling, Bayesian modeling and survival analysis with applications in epidemiology, public health, biology, genetics, and precision medicine are particularly encouraged to apply. However, candidates from all areas of statistics will be considered.

The successful applicant will have an earned doctoral degree in biostatistics, statistics or related areas with demonstrated evidence of high-quality scholarly research in developing statistical methods. For the rank of Assistant Professor, candidates should demonstrate the potential to successfully compete for external research funding, and ability to teach graduate-level courses. For the rank of Associate Professor, applicants must have a successful track record of competitive external funding in support of research, and appropriate teaching experience. The successful applicant will be expected to maintain an active methodological research program, engage in multidisciplinary collaborative research, teach biostatistics courses to students in biostatistics, epidemiology and other fields, mentor graduate students, and contribute to the department and school through professional service.

Information about ASPH and the Department of Epidemiology and Biostatistics can be found at www.sph.sc.edu.
To apply: Applications require: 1) letter of application; 2) curriculum vitae; 3) research statement; 4) teaching statement; and 5) contact information for three references. Submit your application at the following link: http://uscjobs.sc.edu/postings/19825

(18) Bowling Green State University, Department of Applied Statistics and Operations Research: assistant/associate professor of applied statistics

QUALIFICATIONS

Tenure track assistant/associate professor of Applied Statistics position starting August 2018. The position will enhance the College’s continuing pursuit in program and research development in business analytics at the undergraduate and graduate levels. Minimum qualifications include ABD status in fields such as Statistics, Data Science, or a closely related field. A PhD is required by the starting date. Candidate’s portfolio must include evidence (working paper, dissertation chapter, etc.) of the development of analytic tools relevant to business. Evidence of collaborative application of analytics to areas such as supply chain, economics, and marketing is preferred. Candidates who can provide evidence of quality teaching, and of significant progression towards research accomplishments (paper presentations, publications), are strongly preferred. Teaching responsibilities will depend on the candidate’s field of specialization and may include courses in Applied Statistics, Analytics, and Data Science at the undergraduate and graduate levels.

RESPONSIBILITIES

Expected to teach at both graduate/undergraduate levels, and develop an active research agenda. Externally supported research/application oriented program/project development is desirable. University/professional service is also expected.

COMPENSATION

Compensation for the academic year will be competitive and includes a full benefit package.

For a complete job description and instructions on how to apply for this position visit https://bgsu.hiretouch.com/ or contact the Office of Human Resources, BGSU. Application materials should include a cover letter, CV, three current and original letters of recommendation, official transcripts, and research and teaching portfolios (if applicable), and can be uploaded to https://bgsu.hiretouch.com/

More information about the school at www.business.bgsu.edu/asor/.

(19) FDA National Center for Toxicological Research: postdoc, quantitative modeling

The FDA National Center for Toxicological Research invites applications for a postdoctoral research associate position based in Jefferson, Arkansas, focusing on quantitative modeling applications. The National Center for Toxicological Research (NCTR) is the only FDA Center located outside the Washington D.C. metropolitan area. The one-million square foot research campus in Jefferson, Arkansas plays a critical role in the missions of FDA and the Department of Health and Human Services to promote and protect public health. Regulatory science researchers, academia, and other regulatory science research organizations and groups from around the world investigate, learn, and train at the Federal facility. NCTR, FDA’s internationally recognized research center, plays a critical role in FDA's
mission. The unique scientific expertise of NCTR is critical in supporting FDA product centers and their regulatory roles. General information of the center can be found at www.fda.gov/AboutFDA/CentersOffices/OC/....

Duties and Responsibilities: The successful candidate will conduct applied research of interest to FDA with quantitative modeling in collaboration with other scientists in the center. Current projects include modeling the impact of deep sequencing on precision medicine applications, mining regulatory databases for disease dynamics, network analysis, and predictive toxicology. Method development, programming, data analysis, and manuscript preparation are expected for this position.

Position Qualifications: The candidate should have a Ph.D. degree (within the last five years) with training in quantitative modeling. Candidates from statistics, biology, chemistry, mathematics, computer science, or other related fields are encouraged to apply. Familiarity with mathematical modeling (deterministic or statistical), Monte Carlo simulation, statistical concepts and good programming skills are desirable (some skills can be obtained on the job, so a candidate is not required to have everything listed). Strong work ethics and good communication skills are expected. We also encourage students who have conducted Ph.D. research in other scientific areas but want to gain experience in human health to apply.

Both domestic and international candidates will be considered. International candidates are required to have spent at least three years during the last five in the United States to qualify.

Application Information: Please send the CV and a cover letter to dong.wang@fda.hhs.gov

(20) Mayo Clinic: postdoc

The Mayo Clinic in Rochester, Minnesota is a world-class health care institute, with cutting-edge research programs. Our research team is focused on the development of statistical methods for the study of complex genetics of human diseases.

We are seeking a postdoctoral candidate with a Ph.D. in statistics, biostatistics, or bioinformatics, as well as educational training in genetics. The position is for the development, computer programming, and evaluation of statistical methods for genome-wide association studies. Opportunities for analysis of data for ongoing genetic epidemiology studies also offer an enriched research experience. This position requires solid statistical training and strong computer programming skills. It is expected that the candidate will participate in research team efforts, and take the lead on several projects, leading to presentation and publication of results.

Minimum qualifications include a Ph.D. degree in statistics, biostatistics, or a closely aligned quantitative area, with computational experience, as well as excellent written communication skills. Employment can begin immediately, and is negotiable. Generous benefits and salary are provided. Potential applicants should submit their resume with a cover letter of stated interest by January 1, 2018 to:

Daniel J. Schaid, Ph.D.
Harwick 7 Mayo Clinic
200 First Street, S.W.
Rochester, MN 55905
email: schaid@mayo.edu
(21) University of Massachusetts, Amherst, Department of Mathematics and Statistics: assistant professor in mathematical biology

The Department of Mathematics and Statistics at the University of Massachusetts Amherst, invites applications for a full-time tenure track position in Mathematical Biology at the Assistant Professor level to begin in Fall 2018. We are seeking mathematicians and statisticians with expertise in mathematical, computational and/or statistical methods and a strong commitment to interactions with the life sciences. Applicants must present strong evidence of outstanding research accomplishments and promise in both research and teaching. Applicants are required to have a Ph.D. in Mathematics, Statistics or a related field by the time of appointment.

We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.

Full ad is available at www.math.umass.edu/employment.

Review of applications will begin on November 3, 2017 and continue until a suitable candidate pool has been identified.

(22) University of Massachusetts, Amherst, Department of Mathematics and Statistics: assistant professor in statistics

The Department of Mathematics and Statistics at the University of Massachusetts, Amherst, invites applications for a full-time tenure track position in Statistics at the Assistant Professor level to begin in the Fall semester of 2018. Candidates whose research interests complement the strengths of the Department's faculty in Statistics, Data Science, and Applied and Computational Mathematics are particularly encouraged to apply, but this search is not restricted to specific subfields within statistics. Our department is interested in hiring individuals who will excel at research in their particular areas of interest.

We are seeking talented applicants qualified for an assistant professor position. Under exceptional circumstances, highly qualified candidates at other ranks may receive consideration.

Full ad is available at www.math.umass.edu/employment.

Review of applications will begin on November 3, 2017 and continue until a suitable candidate pool has been identified.

(23) West Chester University, Department of Mathematics: assistant/associate professor of statistics

Candidates must possess a Ph.D. in statistics by August 2018. Candidates in closely related disciplines also will be considered, if their scholarship and professional involvement demonstrate commitment to and identification with the field of statistics. In addition, the successful candidate must have excellent communication skills and demonstrated teaching excellence or potential. The successful candidate must be engaged in a viable program of ongoing research. The successful candidate also must have an interest in developing curricula and supervising student research as part of a growing Master's Degree Program in Applied Statistics. Responsibilities will include teaching up to four courses per semester.
including graduate courses in statistics, undergraduate courses in statistics, as well as other undergraduate mathematics courses. Preference will be given to individuals with background in Data Science and with the potential to develop curriculum in this area.

Applications must include a cover letter addressing the above requirements; a curriculum vitae; all graduate transcripts; a brief statement of teaching philosophy; a brief research prospectus and three recent letters of recommendation, at least one of which addresses communication skills and teaching potential. Finalists must successfully complete an interview process that includes a teaching demonstration and a research talk to the Department's faculty and upper division students. Preference will be given to applicants whose materials are received by December 15. Applications will be reviewed until the position is filled. Rank and salary are negotiable.

Application materials must be submitted electronically to:

Include email addresses for three referees when applying in our system. Referee will automatically be sent an email with access to upload their letters of recommendation to our applicant tracking system.

For more details about the department, please visit www.wcupa.edu/appliedstatistics.

(24) University of Missouri, Department of Statistics: assistant professor

The Department of Statistics invites applications for a tenure-track Assistant Position to begin Fall 2018. Applicants from all areas of statistics are encouraged to apply. A doctorate in statistics or biostatistics or related field by August 15, 2018, excellence in teaching, outstanding research potential, and excellent communication skills are required. The tenure and administrative home for this faculty position resides solely in the Department of Statistics.

The review of applicants will begin on December 1, 2017 and will continue until the position is filled. Please apply on line at: hrs.missouri.edu/find-a-job/academic. Use the online application and be prepared to upload your CV, Applicants may contact the Chair of the Search Committee muasstatstrcht@missouri.edu with any questions about the job duties. Contact Human Resource Services (muhrs@missouri.edu) for any questions about the application process. Three reference letters are required and should be sent (electronically or hard copy) to the head of the search committee.

Chair of Search Committee
muasstatstrcht@missouri.edu
Or
University of Missouri
Department of Statistics
146 Middlebush Hall
Columbia, MO 65211

For information about the department, see http://www.stat.missouri.edu/.

(25) University of Texas at San Antonio: assistant/associate professor of statistics
Duties and Responsibilities: Teaching responsibilities include both day and evening sections at both the undergraduate and graduate levels. Teaching may be in both applied statistics and data analytics. In addition, responsibilities include conducting scholarly research, securing external funding and completing university service. Research active faculty members generally have a 2-2 teaching load. Assistant professors are given a one course release and teach 2-1.

Position Qualifications: The Department of Management Science and Statistics invites applications for two tenure-track faculty positions with expertise and interest in applied statistics and/or big data analytics within a multidisciplinary environment. The first position will be at the academic rank of Assistant Professor in Statistics and the second position will be at the academic rank of Assistant or Associate Professor in Statistics beginning Fall 2018. Tenured appointments are contingent upon Board of Regents approval. The MSS department offers undergraduate degrees in statistics and actuarial science, a master's in applied statistics, and a Ph.D. in applied statistics and supports the M.S. in Data Analytics.

Candidates at the academic rank of Assistant Professor must have a Ph.D. in statistics and potential in teaching, mentoring, advising of students, demonstrated scholarly research and strong communication skills. ABD candidates will be considered if completion of all requirements for the Ph.D. degree will be completed prior to beginning employment. Candidates should demonstrate experience in working on applied data projects.

Candidates at the academic rank of Associate Professor must have a Ph.D. in Statistics or a closely related area with expertise and interest in data analytics or big data. Candidates at the academic rank of Associate Professor must have demonstrated excellence in teaching, mentoring and advising of students, scholarly research and strong communication skills. Candidates should demonstrate experience in working on applied data projects.

Preferred qualifications: Demonstrates experience in working on applied data projects, an active extramural funding program, external consulting with research centers or other quantitative institutes and a willingness to collaborate with other colleges and organizations.

Candidates whose applied research areas of interest overlap with those of existing faculty in the department and college, such as in business, cloud computing, computationally intensive methods, cyber security, statistical learning, health care, engineering, and biology, will be preferred.

Application Information: Applications should be submitted by going to jobs.utsa.edu and searching for a faculty position with keywords "Assistant Professor (STA)" or "Assistant/... Professor (STA)". Applications must include a letter of application, a curriculum vita and a sample of recent research. Applicants must also arrange for the submission of three letters of reference. Applicants, who wish to be considered for an appointment at the rank of Associate Professor, must also submit student evaluations of their teaching. Applicants who are selected for interviews must be able to show proof that they are eligible and qualified to work in the United States.

Information can be obtained by contacting Ms. Kim Kyle, Administrative Associate kim.kyle@utsa.edu; (210) 458-6375. Review of complete application files begins November 20, 2017 and will continue until the positions are filled.
(26) University of Toronto, Department of Statistical Sciences: two teaching stream faculty positions

The Department of Statistical Sciences at the University of Toronto is hiring two Teaching Stream faculty for July 1, 2018 at the downtown Toronto campus. The University of Toronto Teaching Stream has a promotion process similar to that of traditional tenure-stream positions (Assistant Professor, Teaching Stream, Associate Professor, Teaching Stream and Professor, Teaching Stream). We have a very large and growing undergraduate statistics program, so there is tremendous opportunity for the successful candidates to contribute to courses, programs, and the student experience at all levels. Although teaching is the main priority, Teaching Stream faculty in the Department of Statistical Sciences are strongly encouraged (and supported) to pursue scholarly activity in the teaching and learning of statistics and/or statistics, including consulting and collaborative work.

For the job ad and more information, see academicjobsonline.org/ajo/jobs/10226

Applicants should apply online at AcademicJobsOnline, academicjobsonline.org/ajo/jobs/10226
Application deadline: November 22, 2017 (Open Until Filled)

University of Toronto Careers utoronto.taleo.net/careersection/10050/...

Department of Statistical Sciences utstat.toronto.edu/?page_id=20

(27) Mount Holyoke College Postdoctoral Research Fellow

The Department of Mathematics and Statistics at Mount Holyoke College invites applications for a postdoctoral research fellow in Biostatistics to begin in January 2018. Qualifications include a doctoral degree in Statistics, Biostatistics or a related field, demonstrated proficiency in R, and a commitment to both methodological and applied research.

The post-doc will join a collaborative team of investigators to work on statistical methods for the genomics of cardiometabolic disease. Under the direct supervision of Dr. Foulkes, the post-doc will:

- Develop and implement new statistical methodologies;
- Assist in the writing and presentation of manuscripts demonstrating the new methodologies and their applications;
- Write R code and associated documentation for submission to CRAN;
- Attend weekly lab meetings;
- Support the supervision of advanced undergraduates in research projects.

Additional opportunities for undergraduate-level teaching are available but not required.

Send a cover letter, curriculum vitae and the names and contact information of three references to afoulkes@mtholyoke.edu by 11/15/2017 for full consideration.

This is a one-year benefited position, renewable contingent of available funding. The post-doctoral research fellow will receive support from an award from the National Institutes of Health, National Institute of General Medical Sciences which includes an annual stipend of $47,500.

(28) USDA NASS Research Fellow
The Research and Development Division of USDA's National Agricultural Statistics Service has an employment opportunity in Washington DC! I hope you will think about it or send it to someone who may be interested.

Deputy Director

The person in this position has the opportunity to participate fully in planning, formulating, developing, and implementing research programs with specific areas of responsibility. Depending upon the person's training and interests, this could include research on sampling, estimation, statistical models, remote sensing, crop condition modeling, yield forecasting, geospatial statistics, or geographic information systems (GIS) analytics. The link to the full announcement may be found at www.usajobs.gov/GetJob/ViewDetails/482140800

If you think you saw a posting like this a month or so ago, you are (unfortunately) right. There was an HR error made in the posting so we have to do it again. If you applied the first time, please resubmit. If you were late the first time, here is your chance!

(29) Medical University of South Carolina, Department of Public Health Sciences:
assistant/associate professor of biostatistics

The Hollings Cancer Center and the Department of Public Health Sciences at the Medical University of South Carolina invite applications for an Assistant or Associate Professor of Biostatistics. This position is for biostatisticians with research interests in clinical and translational cancer research, including novel early phase trial design. A PhD in biostatistics or related field is required.

The Department has a large and expanding program of collaborative and internal research. The position will involve highly collaborative interactions with Hollings Cancer Center faculty with an emphasis on joint grant proposals, development of statistical methodology for cancer research, and the design and analysis of laboratory, clinical and epidemiologic studies. Candidates wishing to develop their own research projects are welcome.

Candidates should be able to work independently, have experience in data analysis and statistical programming, and excellent oral and written communication skills. Prior experience in oncology research writing collaborative papers and grant proposals is highly desired.

Send statement of research interests, contact information for three references, and curriculum vitae to:

Elizabeth Hill, PhD
Associate Professor of Biostatistics
Director, Biostatistics Shared Resource
Hollings Cancer Center
Medical University of South Carolina
86 Jonathan Lucas St.
MSC 955
Charleston, SC 29425
hille@musc.edu
people.musc.edu/~hille
(30) University of Minnesota, School of Statistics: two positions

The School of Statistics in the College of Liberal Arts invites applications for two full-time, tenure-track positions to begin fall semester 2018. Appointments will be 100% time over the nine-month academic year (late-August to late-May). Appointments will be at the rank of tenure-track assistant professor, depending on qualifications and experience and consistent with collegiate and University policy.

All applicants must apply online at www1.umn.edu/ohr/employment/index.html referencing job posting ID 318928

To be considered for this position, please click on "Apply" and follow the instructions. You will be given an opportunity to complete an online application for the position and attach a cover letter and curriculum vitae. Additional documents must be attached by accessing your "My Activities" page. The following materials must be attached to your online application: 1) cover letter, 2) curriculum vitae, 3) research statement, 4) teaching statement, and 5) a sample of your scholarly written work representing your disciplinary focus. In addition to the materials submitted online, please arrange for three letters of recommendation to be sent directly to StatsOffice@umn.edu.

The priority deadline for application materials is November 10, 2017. The positions will remain open until filled. Additional materials may be requested at a later date. Please refer questions to the School of Statistics, 612-625-8046.

(31) Johns Hopkins University Bloomberg School of Mental Health Services: postdoc

The Johns Hopkins Bloomberg School of Public Health Mental Health Services and Systems T32 Training Program invites applications for one-year and two-year Post-doctoral Fellowship beginning in spring or summer 2018.

Applications Due: January 15, 2018

The T32 selection committee is seeking one to two highly qualified post-doctoral Fellows with some prior exposure to the field of mental health services and systems. This program will produce researchers who can address critical gaps in knowledge with a focus on: (1) how health care services, delivery settings, and financing systems affect wellbeing of persons with mental illness; (2) how cutting-edge statistical and econometric methods can be used for studying how interventions, policies, and programs can be used to improve care; and (3) how implementation science can be used to most effectively disseminate evidence-based advances into routine practice.

This new training program is funded by the National Institute of Mental Health, and represents a collaboration between the Department of Health Policy and Management and the Department of Mental Health at the Johns Hopkins Bloomberg School of Public Health with a close affiliation with the Johns Hopkins School of Medicine.

Depending on prior training, post-doctoral trainees will participate in limited coursework, a biweekly training grant seminar, and a year-long integrative experience. Since the main goal of this new
Postdoctoral Fellowship program is to train scholars who will become leaders in the mental health services and systems research field, there is considerable protected time for scholarship and publication, and many opportunities for research collaboration. Commitment to the field of mental health services and systems is a core qualification and component of the training program.

For more information about being a post-doctoral fellow at Johns Hopkins Bloomberg School of Public Health see this page: https://www.jhsph.edu/academics/postdoctoral-training/

To apply, please send the following to the attention of the training program Directors, Drs. Colleen Barry (cbarry@jhu.edu) and Elizabeth Stuart (estuart@jhu.edu):

- Cover letter
- CV
- Three letters of reference
- Copy of graduate transcript
- Writing sample
- A personal statement (600 word max)

(32) Virginia Tech Department of Statistics: open rank position

The Virginia Tech Department of Statistics (www.stat.vt.edu) invites applications for an open rank tenured or tenure track faculty position in Statistics to begin in August 2018. Requirements include a Ph.D. in statistics or a closely related field; a research focus in data analytics, statistical/machine learning, data mining, stochastic modeling/inference, interactive data visualization, or any related branch of computationally intensive statistical methods; and teaching experience.

This position is part of a major emphasis on statistics, including computational modeling, data science and analytics, and empirical decision making at Virginia Tech. This position will support of the Computational Modeling and Data Analytics (CMDA) program (www.science.vt.edu/ais/cmda). 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 also have the opportunity to be key players in the creation of the university's "Data Analytics and Decision Sciences" destination area (provost.vt.edu/destination-areas/da-data.html). This is a rare 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.

Responsibilities

Expectations for this position include: maintaining a visible and vigorous funded research program; providing effective instruction and advising to a diverse population of undergraduate and graduate students; continuing development of professional capabilities and scholarly activities; curriculum development; participation in department, academy, college, and university governance; and
professional service. The faculty handbook (available at http://www.provost.vt.edu) provides a complete description of faculty responsibilities.

Required qualifications

Applicants must have a strong background in statistics with specialization in data analytics, machine learning, data mining, stochastic modeling/inference, interactive data visualization, high performance computing and computationally intensive statistical methods; strong promise for developing, or in the case of senior applicants continuing, a well-funded, internationally distinguished research program; demonstrated experience with and commitment to interdisciplinary research; willingness to cross disciplinary boundaries to tackle complex scientific challenges; a desire to advise and teach a student body that is diverse with respect to socio-economic status, interests, and abilities; and commitment/sensitivity to address issues of diversity in the university community. Applicants must have earned a doctorate in a relevant discipline at the time of appointment.

Preferred qualifications

Preference will be given to candidates with demonstrated examples of interdisciplinary scholarship employing statistical and data analytical techniques. Preference will also be given to candidates with postdoctoral or similar experience, with a record of achievement as might be demonstrated during a postdoctoral or previous faculty appointment.

(33) Indiana University, Department of Statistics: assistant professor

Department of Statistics at Indiana University (IU) is recruiting for a tenure-track faculty position at the assistant professor level. The department is young and vibrant, and our faculty have a diverse set of research interests ranging from machine learning to Bayesian inference to neuroimaging statistics. The department offers a friendly and supportive environment for junior faculty, and Bloomington offers a high quality of life, affordable cost of living, and lively arts, music and culture scene.

The priority deadline for applications is November 13, 2017.

(34) Michigan State University, Department of Statistics: three open rank positions

MSU has at least 3 open rank faculty positions in statistics and data science. For details, please see the links.

www.mathjobs.org/jobs/jobs/10998
www.mathjobs.org/jobs/jobs/10676
www.mathjobs.org/jobs/jobs/11044

(35) George Washington University, Department of Epidemiology and Biostatistics: assistant or associate professor

The Department of Epidemiology and Biostatistics of the George Washington University (GWU) Milken Institute School of Public Health (SPH) is recruiting a full-time tenure-track faculty member in Biostatistics at the rank of Assistant Professor or Associate Professor. Candidates with interests in all areas of statistics and biostatistics are invited to apply.

Responsibilities: The successful applicant will be involved with collaborative applied and methodological research, consulting, teaching and developing courses at the masters and doctoral level, and mentoring
graduate students. The successful applicant will also develop and maintain an active research program in biostatistics. Opportunities for involvement in consultation activities in biostatistics and epidemiology may be available. Additional opportunities to collaborate with faculty from The Biostatistics Center may also be available.

Basic Qualifications: All applicants must have a doctoral degree conferred no later than the start date of the position in biostatistics, statistics or relevant field. Applicants must have a strong track record of peer-reviewed publications, evidence of proposing and/or implementing funded research, and a history of teaching graduate-level courses in biostatistics and/or mentoring graduate students. Excellent oral and written communication skills are required.

Application Procedure: To be considered please complete an online faculty application at [http://www.gwu.jobs/postings/46684](http://www.gwu.jobs/postings/46684) and upload the following:

1) a curriculum vitae; 2) a statement of research interests, accomplishments, and plans; and 3) a statement of teaching and mentoring experience. Only complete applications will be considered. Rank and salary will be commensurate with experience. Review of applications will begin on 11/15/2017 and will continue until the position is filled. Successful Completion of a Background Screening will be required as a condition of hire.

Additional information about the Department can be found at [publichealth.gwu.edu/departments/…](http://publichealth.gwu.edu/departments/…)

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**Funding opportunities and information**

1) NIH Request for Information (RFI): Seeking Input from Industry on Enhancing the Data Yield from Clinical Studies of Peripheral Neuromodulation Devices

See [NOT-RM-17-015](http://www.nihroadmap.nih.gov/), NIH Roadmap Initiatives

2) NIH Webinars for Science of Behavior Change Common Fund Program Funding Opportunity Announcements (RFA-RM-17-022, RFA-RM-17-023, RFA-RM-17-024, RFA-RM-17-028)

See [NOT-RM-17-039](http://www.nihroadmap.nih.gov/), NIH Roadmap Initiatives

3) NIH: 2 Immuno-Oncology Translation Network (IOTN) opportunities

- Immuno-Oncology Translation Network (IOTN): Data Management and Resource-Sharing Center (DMRC) (U24) ([RFA-CA-17-047](http://www.nihroadmap.nih.gov/))
- National Cancer Institute
- Application Receipt Date(s): January 16, 2018, by 5:00 PM local time of applicant organization.
- All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.
• Immuno-Oncology Translation Network (IOTN): Cellular Immunotherapy Data Resource (CIDR) (U24) (RFA-CA-17-048)
  National Cancer Institute
  Application Receipt Date(s): January 16, 2018, by 5:00 PM local time of applicant organization. All types of non-AIDS applications allowed for this funding opportunity announcement are due on this date.

(4) NIH BRAIN Initiative: Theories, Models and Methods for Analysis of Complex Data from the Brain (R01 Clinical Trial Not Allowed)

This FOA solicits new theories, computational models, and statistical tools to derive understanding of brain function from complex neuroscience data. Proposed tools could include the creation of new theories, ideas, and conceptual frameworks to organize/unify data and infer general principles of brain function; new computational models to develop testable hypotheses and design/drive experiments; and new mathematical and statistical methods to support or refute a stated hypothesis about brain function, and/or assist in detecting dynamical features and patterns in complex brain data. It is expected that the tools developed under this FOA will be made widely available to the neuroscience research community for their use and modification. Investigative studies should be limited to validity testing of the tools being developed.

Activity Code: R01

Funding Announcement Number: RFA-EB-17-005

Posted Date: Thursday, October 12, 2017

Expiration Date: Friday, October 18, 2019

Next Letter of Intent Due Date: Wednesday, November 15, 2017

Application Due Dates: Friday, December 15, 2017; Wednesday, October 17, 2018; Thursday, October 17, 2019

Announcement Link: BRAIN Initiative

(5) NSF: Improving Undergraduate STEM Education: Education and Human Resources (IUSE: EHR)

Details at Improving Undergraduate STEM...

Available Formats:
PDF: www.nsf.gov/pubs/2017/nsf17590/...

See also Frequently Asked Questions FAQs for NSF 17-590 Improving Undergraduate STEM Education Program (IUSE)

(6) NSF Dear Colleague Letter: Discovery Research PreK-12: Advancing STEM+Computing

Details at Discovery Research PreK-12...
DUE DATES

Full Proposal Window

October 23, 2017 - November 7, 2017
October 23 - November 7, Annually Thereafter

The statistics program has a submission window in from October 23 to November 7. Proposals submitted after 5pm (local time) on November 7 will be returned without review. Conference and workshop proposals should be submitted eight months before the requested starting date.

SYNOPSIS

The Statistics Program supports research in statistical theory and methods, including research in statistical methods for applications to any domain of science and engineering. The theory forms the base for statistical science. The methods are used for stochastic modeling, and the collection, analysis and interpretation of data. The methods characterize uncertainty in the data and facilitate advancement in science and engineering. The Program encourages proposals ranging from single-investigator projects to interdisciplinary team projects.

RELATED PROGRAMS

- Conferences and Workshops in the Mathematical Sciences
- Focused Research Groups in the Mathematical Sciences
- Algorithms for Threat Detection
- Joint DMS/NIGMS Initiative to Support Research at the Interface of the Biological and Mathematical Sciences
- Computational and Data-Enabled Science and Engineering in Mathematical and Statistical Sciences
- Mathematical Sciences Postdoctoral Research Fellowships
- Faculty Early Career Development (CAREER) Program
- Collaborative Research in Computational Neuroscience
- Critical Techniques, Technologies and Methodologies for Advancing Foundations and Applications of Big Data Sciences and Engineering

What Has Been Funded (Recent Awards Made Through This Program, with Abstracts)

Map of Recent Awards Made Through This Program
(9) Call for Proposals: Developing the Next Generation of Biostatisticians

The ASA Biometrics Section invites applications for funding to support projects developing innovative outreach projects focused on enhancing awareness of biostatistics among quantitatively talented US students. We particularly are interested in projects that will encourage students to pursue advanced training in biostatistics. We anticipate funding up to three projects this year, with total funding of up to $3,000 - $5,000 per project. The project timelines would be from 1.5-2 years. All investigators are encouraged to apply. Award recipients must be an ASA member and Biometrics section member before project initiation.

A three-page application is due by December 11, 2017, and should be in the following format: Title, Objectives and Specific Aims; Background, Significance, and/or Rationale; Design and Methods; Deliverables/Products, and Budget. The following types of expenditures are allowed: supplies, domestic travel (when necessary to carry out the project), professional expertise (e.g., instructional designer or webmaster) and cost of computer time. The following types of expenditures are not allowed: secretarial/administrative personnel, tuition, foreign travel, and honoraria and travel expenses for visiting lecturers to the investigator's home institution. A project period with a start date no earlier than January 1, 2018 and an end date no later than December 31, 2019 also should be specified.

Applications should be submitted electronically to the Strategic Initiatives Subcommittee Chair, Page Moore, at Pmoore@uams.edu. All investigators will be expected to submit a brief report at the conclusion of the project to the Subcommittee Chair. Questions should be addressed either to the Subcommittee Chair or to the Subcommittee Co-Chair, Tanya Garcia, at Tpgarcia@sph.tamhsc.edu.

(10) SIGKDD Call for Proposals for KDD Impact Program

SIGKDD is excited to announce a funding opportunity through its newly established KDD Impact Program. The SIGKDD community has expanded its reach dramatically over the past few years and the KDD conference has grown into a major event. SIGKDD would like to direct its success towards a broader positive societal impact.

The goal of the program is to support projects that promote data science, increase its impact on society, and help the data science community. Project duration is one year with the possibility of being extended. Funded projects will be required to present mid-project results of their work and outcomes at the KDD 2018 conference in London in August 2018.

The total amount of funding provided by the KDD Impact Program this year is $250k with a proposed range of $10k-$100k available for each project. Funding will be given as unrestricted gifts (which usually means that minimal institutional overheads will be applied).

Selection Criteria

The KDD Impact Program is looking to fund projects that have the potential for maximum impact on the society and expand outreach of data science thereby strengthening the community. Sample topics include but are not limited to:

- Enhance data science community engagement;
- Expand outreach of data science;
- Increase diversity and participation in data science;
- Increase societal impact of data science;
- Influence public policy through data science.

The KDD Impact Program is NOT a research program. It focuses on projects that benefit the community and the society. Pure research projects will not be funded. The call is open to every country, participant must be affiliated to an institution with reputable standing. Funds are to be used for not-for-profit activities, and this program will not fund activities for which alternative funding is readily available.

Submission Guidelines

Project proposals are limited to 4 pages, single-spaced, using 12-point font and 1-inch margins, inclusive of illustrations and references. Pages beyond the page limit will not be read. Each proposal should include:

- An overview of the proposed project emphasizing its impact on the society, the data science community and any unique aspects;
- A description of concrete project plan and the expected outcomes;
- A brief description of the PI and key personnel and institutions (who is involved) and their responsibilities;
- A description of project tracking metrics (how would you measure progress)
- The plan for continuation post the grant-period if relevant
- A brief justification of the need for the KDD support (what you will be able to do and why you are not able to do otherwise);
- An estimated budget broken down by major areas, such as personnel, travel, equipment, consumable supplies, etc.
- A list/description of dependencies (e.g., availability of data, infrastructure, support, etc.)
- Proposals can also include letters of support from other individuals or organizations. These letters will not be counted under the 4 page limit.

Selection Committee

- Jure Leskovec
- Rayid Ghani
- Jingrui He
- Jian Pei
- Claudia Perlich
- Mohammed Zaki

Submission website [easychair.org/conferences/?conf=kddig18](easychair.org/conferences/?conf=kddig18)

Timeline and Funding Summary

- Submission deadline: December 1, 2017
- Announcement of awards: January 8, 2018

Project duration: 1 year

Total amount of funding: $250k

Per project funding: $10-$100k
This announcement can also be found on KDD.org.

(11) Travel Grant Program for International Congress of Mathematicians (ICM 2018), August 2018 in Rio de Janeiro

Details at www.ams.org/programs/travel-grants/icm

Workshops and Conferences

(1) Summer school on Advanced Bayesian Methods

24-28 September 2018

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

In the second edition of the summer school the following two courses will be organized in Leuven from 24 to 28 September 2018:

• Three-day course (24-26 September) on Bayesian Parametric and Nonparametric Methods for Missing Data and Causal Inference by Dr. Michael Daniels (University Florida, US)
• Two-day course (27-28 September) on Bayesian Methods in Health Economic Evaluation by Dr. Gianluca Baio (University College London, UK)

The target audience of summer school are statisticians and/or epidemiologists with a sound background in statistics, but also with background in Bayesian methodology.

In both courses, practical sessions are organized, so participants are asked to bring along their laptop with the appropriate software (to be announced) pre-installed.

The registration costs for the courses are:

<table>
<thead>
<tr>
<th>Three-day course</th>
<th>Two-day course</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD student: € 150</td>
<td>PhD student: € 100</td>
</tr>
<tr>
<td>Academic: € 300</td>
<td>Academic: € 200</td>
</tr>
<tr>
<td>ISBA member: € 300</td>
<td>ISBA member: € 200</td>
</tr>
<tr>
<td>Research institute: € 300</td>
<td>Research institute: € 200</td>
</tr>
<tr>
<td>Industry: € 900</td>
<td>Industry: € 600</td>
</tr>
</tbody>
</table>

Note that one is registered to the course, ONLY when the registration costs have been paid. The deadline for registration is August 31, 2018.

More information about the courses and practicalities (registration, location, transportation, etc.) can be found in due time on http://med.kuleuven.be/biostat/.

Please reserve already this week in September 2018!
For registration to the courses, please contact Kirsten Verhaegen (kirsten.verhaegen@kuleuven.be).

(2) **BigSurv18: Attention Computer Scientists, Data Scientists, and Survey Scientists!**

The first international conference on *Big Data Meets Survey Science (BigSurv18)* is currently accepting abstracts for presentation at the conference on the theme “Exploring New Statistical Frontiers at the Intersection of Survey Science and Big Data.”

*BigSurv18* will be held October 25–27, 2018, at the Research and Expertise Centre for Survey Methodology at the Universitat Pompeu Fabra in Barcelona, Spain. The conference offers an opportunity to address the ongoing paradigm shift in how researchers produce, analyze, and use statistics. The event, hosted by the European Survey Research Association (ESRA), is intended to foster communication, collaboration, and understanding between two groups: (1) computer and data scientists focusing on emerging Big Data sources and analysis techniques and (2) methodologists and researchers working on traditional sources of data collection and statistical analyses. By combining efforts, we can identify and overcome academic divides and make unified survey and “Big Survey Data” population inference a reality.

We invite presenters from the various disciplines and around the world to submit an abstract for presentation at the conference. In addition, to accommodate differences in publication objectives and cultures across the disciplines papers will be eligible for consideration in one of two publication outlets:


B. A special issue of a peer-reviewed computer science-oriented journal to be published immediately following the conference (journal still to be decided).

In your submission, please indicate (1) if you would like your paper to be considered for publication and (2) state your preferred publication outlet. We will do our best to accommodate your request. When we notify you about whether your abstract was accepted, we will also let you know if you are under further consideration for one of these two publication venues.

To be considered for the conference, presentations and papers should be broad and forward-looking; they may be original research or syntheses of the state of the art. The following are examples of topics that are of particular interest:

- Using Big Data sources—such as data from social networks, traditional business systems, and the Internet of Things—in statistics production
- Measuring new phenomena in society using Big Data
- Discussing methods for combining Big Data with traditional data sources
- Using data mining and machine learning methods to develop and understand population statistics
- Methods within machine learning for modelling human behaviors
- Assessing new data processing and analytical tools for Big Data
- Implementing data visualization methods for Big Data
- Designing of interfaces, virtual agents, and computational systems for interactive data collection
- Distributed infrastructures of data collection
“Total Statistical Uncertainty” frameworks for estimates derived from nonprobability datasets
Defining and describing data quality in a Big Data environment
Discussing methods to deal with threats to representativeness, including methods for mitigating coverage issues
Methods for dealing with variable specification inconsistencies across datasets
Methods for repairing or mitigating missing data and data sparseness
Addressing issues in population modelling and inference
Inferential paradigms in Big Data applications
Using Big Data in various ways for sampling frame development and other sampling applications
Exploratory data analysis with Big Data
Incorporating Big Data in a Bayesian framework
Methods for
  o selecting relevant data streams;
  o ensuring reproducibility, traceability, and provenance;
  o using Big Data to reduce, control, and evaluate total survey error; and
  o evaluating quality in Big Data applications.
Handling confidentiality and privacy
Addressing legal and proprietary issues, as well as ethical concerns and the concept of harm
Please submit your abstract (500 words or fewer) to https://www.bigsurv18.org/conference by February 28, 2018. Your submission should include the title of the paper, all co-authors and their affiliations, and e-mail address of the lead author. In addition, please remember to indicate your publication preference. The author of each accepted paper will present it at the conference. Presenters accepted for the edited conference volume must submit a complete version of the paper by the end of 2018. Presenters accepted for consideration in the special issue must submit a complete version of the paper for peer-review by the end of July 2018. A formal paper will not be required of presenters who do not wish to publish in either outlet.

Current graduate students or recent graduates (2017 or 2018 only) are encouraged to apply for the student paper award. The authors of the two winning papers receive a Euro 150 award and a travel stipend of Euro 1,400 if traveling from outside of Europe and Euro 800 if traveling from within Europe. For details please visit https://www.bigsurv18.org/abstracts.

We also are interested in supporting early career scholars (graduate students or graduation date in 2017 or 2018) from all parts of the world and have established a travel award fund for this purpose. These travel awards include a travel stipend of Euro 1,400 if traveling from outside of Europe and Euro 800 if traveling from within Europe. Early career scholars from underrepresented regions are especially encouraged to apply. For details, please visit https://www.bigsurv18.org/abstracts.

Questions about BigSurv18 can be directed to Antje Kirchner (akirchner@rti.org) or Craig Hill (chill@rti.org).

Conference Scientific Committee

- Dr. Craig Hill (Chair, editorial committee): Senior Vice President, Survey, Computing, and Statistical Sciences, RTI International, USA
The 22nd New England Isolated Statisticians Meeting (NEISM22) will be held on Saturday, November 4, 2017. The meeting will take place at Stonehill College in Easton, Massachusetts. This annual event is a wonderful opportunity for isolated statisticians (usually, but not always, in mathematics departments) to learn and discuss best practices in teaching statistics and to network with fellow faculty.

For the first time, we have to include a modest charge for attending NEISM. Our usual sponsor, the BCASA, has had to reduce the amount they provide in support of the event. The cost is $20, though Boston Chapter members and first-time attendees receive a $5 discount.

We firmly believe that NEISM22 will be more than worth the cost. Our keynote speaker is Christine Franklin, the ASA K-12 Ambassador. The tentative agenda for the day includes sessions on visualizing data, on the proper role of computer science in statistics, on innovative ways of presenting statistics, and a lunch-time discussion of ethics in statistics.

To register, go to: https://neism22.eventbrite.com.

The NEISM22 Organizing Committee is always interested in hearing from people interested in helping to organize future NEISMs and suggestions for future sites for the event.

If you have any questions or comments, please don't hesitate to contact any one of the NEISM22 Organizing Committee.

Rob Carver (rcarver@stonehill.edu) Bob Goldman (robert.goldman@simmons.edu) John McKenzie (mckenzie@babson.edu) Michael Salé (msale@stonehill.edu)
Registration is now open for the following Webinar sponsored by the Mental Health Statistics Section:

Title: Small Data, N-of-1 Trials, and Personalized Medicine
Presenters: Naihua Duan (Columbia University) and Richard Kravitz (UC Davis)
Date and Time: Tuesday, December 5, 2017, 12:00 p.m. – 2:00 p.m. Eastern time
Sponsor: Mental Health Statistics Section

Registration Deadline: Friday, December 1, at 12:00 p.m. Eastern time

Description:
Advances in biomedical science have led to rapid replacement of "one size fits all" therapeutic strategies by a more individualized approach. While big data analytics have been deployed extensively in recent years for applications in personalized medicine, small data studies such as N-of-1 trials have the potential to further advance the methodological underpinnings of personalized medicine.

In this webinar, we will discuss the conceptual framework for small data studies, and the design and implementation of N-of-1 trials – multiple cross-over trials within individual patients to inform each individual's own clinical or lifestyle decision-making. Broad applications of small data studies, including N-of-1 trials, have become feasible in recent years with advances in personal communication and information technologies. It is timely for the biostatistics community to begin to serve the needs of savvy consumers wanting to take an active role in enhancing their own health, as demonstrated in the extensive practice of self-tracking and self-experimentation among members of QuantifiedSelf.com.

This is an emerging area in which biostatisticians can help transform health care delivery by supplementing the traditional "top down" organization of knowledge production and deployment with a new "bottom up" paradigm, in which biostatistical methods are applied directly in day-to-day clinical care and lifestyle decisions for individual patients. This new paradigm may in turn expand the constituency for biostatistics, empowering and engaging the lay population to participate actively and directly in the practice of creating and harvesting small data using personalized biostatistics tools and apps.

Each registration is allowed one web connection. Sound is received via audio streaming from your computer's speakers. Multiple persons are encouraged to view each registered connection (for example, by projecting the webinar in a conference room).

For additional details and to register, go to [http://www.amstat.org/education/weblectures/index.cfm](http://www.amstat.org/education/weblectures/index.cfm).

Registration Fees:
Member of the Mental Health Statistics Section: $60
ASA Member: $90
Nonmember: $110

Other upcoming MHS sponsored ASA webinars:

- 1/17/18, 12-2pm EST: Danny Almirall will be comparing embedded adaptive interventions in a SMART based on a longitudinal outcome.
- 3/21/18, 12-2pm EST: Don Hedeker will be discussing Ecological Momentary Assessment (EMA).
(5) May 6-8, 2018: 30th Annual Kansas State University Conference on Applied Statistics in Agriculture

This conference will bring together statisticians from academia, industry, and government to discuss ideas and advances in the application of statistics to solve agricultural research problems. The three-day conference will include a keynote speaker, workshop, and series of contributed paper and poster presentations. Keynote speaker, Guilherme J. M. Rosa, University of Wisconsin – Madison, will present a workshop titled “Introduction to Graphical Modeling for Agricultural Data” and the conference keynote address titled “Harnessing Operational Farm Data to Enhance Advancement of Agricultural Sciences”.

For more information, visit http://conferences.k-state.edu/applied-stats/schedule/ or contact Jo Blackburn, Kansas State University, Department of Statistics, 101 Dickens Hall, 1116 Mid-Campus Drive North, Manhattan, KS 66506; (785) 532-0511; jblack@k-state.edu.

Awards

(1) Breiman Awards Announcements

Breiman Junior Award

The Breiman Award Committee of Statistical Learning and Data Science Section invites applications for the junior award in honor of Professor Leo Breiman (1928-2005).

Breiman's work helped to bridge the gap between statistics and computer science, particularly in the field of machine learning. His most important contributions were his work on classification and regression trees, ensemble estimators, and random forests. The first junior Breiman awards were awarded to Professor Yufeng Liu and Ming Yuan in 2017.

The Breiman Award Committee selects the Breiman junior scholar based on outstanding theoretical or methodological contributions to machine learning and/or computational statistics, which have extraordinary merit on the subject and on practical applications, and will have received a doctoral degree no more than 12 years, and has been a SLDS section member at least for two years, as of December 15, 2017. For example, an individual eligible for 2017 must have received a doctoral degree dated 2005 or later, and has been SLDS section member since December 2015.

The award includes a monetary prize, a plaque, and an invited lecture in the same session with the selected senior awardee at JSM, 2019.

Nominations are due by December 15, 2017. A nomination packet including a nominating letter, three supporting letters (the nominator may also write one of the supporting letters), and curriculum vitae should be sent to

Statistical Learning and Data Science Section
Breiman Award Committee Chair
Xiaotong Shen, Professor of Statistics
University of Minnesota
xshen@umn.edu
Breiman Senior Award Announcement

The Breiman Award Committee of Statistical Learning and Data Mining Section invites applications for a senior award in honor of Professor Leo Breiman (1928-2005).

The first senior Breiman award was awarded to Professor Grace Wahba in 2017.

The Breiman Award Committee selects the Breiman senior scholar based on outstanding contributions to machine learning, computational statistics, theory, methodology, and or novel applications to machine learning which have made a breakthrough, and exhibited substantial and sustained impact on the subject and on practical applications. A candidate should be a member of SDLM for at least two years, as of December 15, 2017.

The award includes a monetary prize, a plaque, and an invited lecture at JSM, 2019.

Nominations are due by December 15, 2017. A nomination packet including a nominating letter, three supporting letters (the nominator may also write one of the supporting letters), and curriculum vitae should be sent to

Statistical Learning and Data Mining Section
Breiman Award Committee Chair
Xiaotong Shen, Professor of Statistics
University of Minnesota
xshen@umn.edu

(2) Seeking Nominations for the 2018 ASA Gottfried Noether Awards

The ASA Noether Award Committee invites applications for the Two Awards that are given each year: a Senior Scholar Award and a Young Scholar Award. Both awards include a substantial monetary prize, a plaque, and an invited lecture on the Wednesday of the Joint Statistical Meetings (to be held in Vancouver, Canada in 2018 ). Full details are at: http://www.amstat.org/ASA/Your-Career/Awards/Gottfried-E-Noether-Awards.aspx

The Noether Award Committee selects the Noether Senior Scholar based on outstanding contributions to the theory, methodology and or novel applications to nonparametric statistics, interpreted broadly, that has had substantial, sustained impact on the subject, its practical applications and its pedagogy.

The Noether Young Scholar is awarded to a researcher who has the Ph.D. or equivalent degree within the past six years (in the present case, not before December 15, 2011) and has significant accomplishment in nonparametric statistics, interpreted broadly to include theory, methodology, and outstanding applications.

Nominations are due by December 15, 2017. A nomination packet including a nominating letter, three supporting letters, and curriculum vitae should be sent to the ASA to the e-mail address thierryne@amstat.org or addressed to Ms. Thierryne Ntiranyuhura, American Statistical Association, 732 N. Washington Street, Alexandria, VA 22314. The nominator may also write one of the supporting letters.

For questions, contact:
(3) Medical Device and Diagnostic Section student paper award

The Medical Devices and Diagnostics (MDD) section of the ASA will sponsor Medical Device and Diagnostic Section's student paper award, a student paper competition for JSM 2018. A manuscript suitable for journal submission is required to enter the competition. The 1st place winner of the best student paper competition will receive a $500 cash award and the 2nd place winner will receive $300 cash award.

Eligibility: To be eligible for this award, the applicant must be a student (undergraduate, master's, or Ph.D., full or part time) on or after September 1, 2017, or the applicant can be within two years of graduation if the submitted work was initiated while the applicant was a student. The applicant must be first author on the paper, and the advisor (or other coauthor) must write a letter stating that the applicant had primary responsibility for the research and writeup. The applicant must be a member of the MDD ASA section.

Application materials:
The deadline for application is Dec. 15, 2017. Formal application consists of sending an email to MDDpaperJSM2016@gmail.com; with the following attachments (in PDF format):

- The curriculum vitae of the applicant.
- A letter from the advisor (or other coauthor) verifying the student status of the applicant and briefly describing the applicant's role in the research and writing of the paper.
- A cover letter describing the contributions of the paper to MDD.
- The paper, including all tables, figures and appendices, as a single PDF file.

Selection of winners: Papers will be reviewed by a MDD committee. Criteria for selection will include, but are not limited to, novelty in theory/methods/applications, significance and potential impact of the research, and clarity of writing and presentation. Decisions of the committee are final.

Applicants will be notified of the committee decision by January 30, 2018. The winners (including those receiving honorable mention) must submit abstracts and register for JSM by February, 2018 through the official JSM abstract submission system. To receive the award, the winners must register for the conference and present a talk under the auspices of the MDD on the topic of the winning paper. Those who are not selected as the winner are encouraged to submit a contributed abstract to the JSM 2018.

Prizes: MDD anticipates awarding a $500 cash award to the 1st place winner and a $300 cash award to the 2nd place winner of the best student paper competition. The best paper winner and honorable mention winners will be presented with a certificate at the MDD section meeting at JSM.

MDD website: community.amstat.org/mdd/home

(4) 2018 Statistics in Epidemiology Young Investigators Award

The Section on Statistics in Epidemiology (SIE) Section of the ASA invites applications from young investigators who will present their papers at the 2018 JSM, July 28-August 2, 2018, Vancouver, CA. The awards honor the best papers by young investigators in statistics in epidemiology presented at the JSM. The awards are open to all current graduate students in statistics, biostatistics and epidemiology and also recent graduates who received their degrees no earlier than December 31, 2015. The top paper will
be awarded the Norman Breslow Prize with a $1000 stipend. Additional awards consisting of $800 to help defray travel costs to the JSM will also be awarded. A reception will be held at the Baltimore meeting to honor award recipients.

Preference will be given to papers with both methodological contributions and substantive epidemiological applications. Jointly authored papers are certainly acceptable, but the applicant is expected to be the lead author and present the work at the 2018 JSM. The presentation at JSM may be in a regular session, speed session or poster session. Further, the presentation does not have to be in a session sponsored by the SIE Section nor must applicants necessarily be current members of the SIE Section. The presentation at JSM must, however, correspond to the paper receiving the award.

Papers should be submitted in .pdf format with 12 point type, double-spaced and one inch margins. We strongly recommend that papers be no longer than 20 pages, but this is not an absolute maximum.

In order to apply for the award, please submit the paper no later than November 15, 2017. Early submissions are encouraged. Along with the paper include a cover letter stating where you are a current student or your year of graduation if you are a recent graduate. Submissions should be sent to: Yueh-Yun Chi, yychi@ufl.edu Section Secretary/Treasury. Questions about the award can also be addressed to Dylan Small, Small,Dylan S@wharton.upenn.edu, 2018 Section Chair.

(5) Marvin Zelen Leadership Award

The Marvin Zelen Leadership Award in Statistical Science is an annual award supported by colleagues, friends and family, and was established to honor Dr. Marvin Zelen’s long and distinguished career as a statistician and his major role in shaping the field of biostatistics.

The award recognizes an individual in government, industry, or academia, who by virtue of his/her outstanding leadership, has greatly impacted the theory and practice of statistical science. While individual accomplishments are considered, the most distinguishing criterion is the awardee’s contribution to the creation of an environment in which statistical science and its applications have flourished. The award recipient will deliver a public lecture on statistical science at the Harvard T. H. Chan School of Public Health and will be presented with a citation and an honorarium.

Nominations are welcome for next year’s award, to be given in May 2018.

Please send nominations via email (preferred) or by mail to:

Marvin Zelen Leadership Award Committee
Harvard T. H. Chan School of Public Health
Department of Biostatistics
Building 2, 4th Floor
655 Huntington Avenue
Boston, MA 02115

Nominations should include a letter describing the contributions of the candidate, specifically highlighting the criteria for the award, and a curriculum vita. Other supporting materials would be extremely helpful to the committee.
All nominations must be received by Friday, December 1, 2017.

See website for further information and the prestigious list of previous award recipients.

(6) **Statistics in Imaging 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, July 28-August 2, 2018, in Vancouver, British Columbia, Canada. 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 2017.
- Be a current member of the Statistics in Imaging Section of the ASA and be able to present the paper at the 2018 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 15, 2017. Formal application should be sent to Statistics in Imaging Section 2017 Program Chair-Elect, Dr. Tingting Zhang, at tz3b@virginia.edu 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 15, 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. Tingting Zhang at tz3b@virginia.edu.

(7) **John M. Chambers Statistical Software Award 2018**

The Statistical Computing Section of the American Statistical Association announces the competition for the John M. Chambers Statistical Software Award. In 1998 the Association for Computing Machinery (ACM) presented the ACM Software System Award to John Chambers for the design and development of S. Dr. Chambers generously donated his award to the Statistical Computing Section to endow an annual prize for statistical software written by, or in collaboration with, an undergraduate or graduate student.
The prize carries with it a cash award, which has been increased from $1,000 to $2,000 starting from 2018. See stat-computing.org/awards/jmc/history.html for the history of the award.

Both individuals and teams are eligible to participate in the competition. To be eligible, at least one individual within the team must have begun the development while a student and must either currently be a student, or have completed all requirements for her/his last degree after January 1, 2017. The award will be given to the student, or split between student team members if the team consists of multiple students, up to a maximum of three students. If the software was created by a team, the contribution of the student(s) must be substantial.

To apply for the award, teams must provide the following materials:

- Current CVs of all team members.
- A letter from a faculty mentor at the academic institution of one of the students. The letter should confirm that the student had substantial participation in the development of the software, certify her/his student status when the software began to be developed, confirm that he/she is still a student (or provide a date of degree completion), and briefly discuss the importance of the software to statistical practice.
- A brief, one to two page description of the software, summarizing what it does, how it does it, and why it is an important contribution. If any student team member has continued developing the software after finishing her/his studies, the description should indicate what was developed when the individual was a student and what has been added since.
- An installable software package with its source code for use by the award committee. It should be accompanied by enough information to allow the judges to effectively use and evaluate the software (including its design considerations). This information can be provided in a variety of ways, including but not limited to: a user manual, a manuscript, a URL, and online help to the system.

All materials must be in English. We prefer that electronic text be submitted as PDF files. The entries will be judged on a variety of dimensions, including the importance and relevance for statistical practice of the tasks performed by the software, ease of use, clarity of description, elegance and availability for use by the statistical community. Preference will be given to those entries that are grounded in software design rather than calculation. The decision of the award committee is final.

All application materials MUST BE RECEIVED by 5:00pm EST, Friday, December 15, 2017. The submission window will be open at http://asa.stat.uconn.edu on December 1, 2017. Questions are to be emailed to Professor Jun Yan Department of Statistics University of Connecticut jun.yan@uconn.edu

(8) Computing/Stat Graphics Student Paper Competition 2018

The Statistical Computing and Statistical Graphics Sections of the ASA are co-sponsoring a student paper competition on the topics of Statistical Computing and Statistical Graphics. Students are encouraged to submit a paper in one of these areas, which might be original methodological research, some novel computing or graphical application in statistics, or any other suitable contribution (for example, a software-related project). The selected winners will present their papers in a topic-contributed session at the 2017 Joint Statistical Meetings. The prize carries with it a cash award of $1,000.
Anyone who is a student (graduate or undergraduate) on or after September 1, 2017 is eligible to participate. An entry must include an abstract, a six page manuscript (including figures, tables and references; a two-column format is acceptable), blinded versions of the abstract and manuscript (with no author names or other information that easily identifies the authors), a CV, and a letter from a faculty member familiar with the student's work. The applicant must be the first author of the paper. The faculty letter must include a verification of the applicant's student status and, in the case of joint authorship, should indicate what fraction of the contribution is attributable to the applicant. We prefer that electronic submissions of papers consist of PDF files. All materials must be in English.

Students may submit papers to no more than two sections and may accept only one section's award. Students must inform both sections applied to when he or she wins and accepts an award, thereby removing the student from the award competition for the second section.

All application materials MUST BE RECEIVED by 5:00 PM EST, Friday, December 15, 2017. The submission window will be open at http://asa.stat.uconn.edu on December 1, 2017. They will be reviewed by the Student Paper Competition Award committee of the Statistical Computing and Graphics Sections. The selection criteria used by the committee will include innovation and significance of the contribution as well as the professional quality of the manuscript. Award announcements will be made by January 15th, 2018.

Additional important information on the competition may be found at stat-computing.org/awards/student/faq.html and, for all ASA sponsored student paper competitions Additional important information on the competition may be found at stat-computing.org/awards/student/faq.html and, for all ASAsponsored student paper competitions, at amstat.org/ASA/Your-Career/...

Jun Yan Department of Statistics University of Connecticut jun.yan@uconn.edu

(9) Section on Risk Analysis 2018 Student Paper Competition and Best Poster Competition

The Section on Risk Analysis of the American Statistical Association is soliciting entries for a student paper competition for the 2018 Joint Statistical Meetings. Each year the section offers at least one student travel award to defray costs for attendance and presentation of their work at the Joint Statistical Meetings. For JSM 2018, the travel award for the best paper will be $1200. This competition is open to all graduate and undergraduate students, full or part-time, attending an accredited academic program. The student must be a member of the Section on Risk Analysis or should join the section at the time of the paper submission. The contribution may be a theoretical development or it may cover any of the numerous applications of risk analysis, including environmental risk, financial risk, risk to engineering structures, health risks, risks to defense and national security, etc. Papers that have been accepted for publication are not eligible for the competition. Winners must present their work in a JSM session sponsored by the Section on Risk Analysis.

Entrants should submit the following:

- A list of authors and contact information (the student must be the first author).
- A double-spaced manuscript in two versions: a regular manuscript with author information and a blinded manuscript without author information or other identifying information (such as references). Both versions should include an abstract. We further require that the manuscript be
Entries should be sent to Susan Simmons, Chair of the Student Paper Award Committee, via email at sjsimmo2@ncsu.edu. The email should include the two versions of the completed manuscript as attachments in PDF format. All entries must arrive by 5 pm EST on December 15, 2017. Please include the words "Student Paper Award" in the subject line of the email. Manuscripts will be judged based on relevance and interest of the subject matter, the quality of writing, and of course the quality of the research itself. The result will be announced by January 16 and the winners will be required to submit their abstract to JSM by 11:59 pm, February 1, 2018.

Students who are not selected for a Student Paper Award may participate in the Best Poster Competition by submitting a poster at the JSM for the Section on Risk Analysis. The award for the Best Poster Competition is $500. The best poster is selected at the JSM.

(10) Don Owen Award

The San Antonio Chapter of the American Statistical Association presents the Don Owen Award to a statistician who embodies the three-fold accomplishments of Dr. Donald B. Owen, who before his death in 1991 was Distinguished Professor of Statistics at Southern Methodist University in Dallas, Texas. Dr. Owen's illustrious career serves as the standard against which nominees are evaluated for excellence in research, statistical consultation, and service to the statistical community. Among his accomplishments, Dr. Owen authored seven textbooks, seven monographs, and more than 75 articles in refereed journals; and trained 19 doctoral and master's students. He served as an applied statistician for ten years for the Sandia Corporation, and operated his own private consulting firm, specializing in quality control. Dr. Owen was editor of Communications in Statistics for both series, "Theory and Methods" and "Simulation and Computation," associate editor of Technometrics and of JASA; and he edited over 50 textbooks, including many for publisher Taylor & Francis.

The sponsor of this award, Taylor & Francis, promotes scientific research, supports educational programs, and rewards outstanding academic achievement in the sciences through its Awards Program. The San Antonio Chapter is currently accepting nominations for the 2018 Don Owen Award from ASA members in North America. The nominee must be a member of the ASA, but is not required to be a member of the nominating chapter. In addition to a cover letter highlighting the accomplishments of the nominee, the nomination packet must contain the following supporting information:

- Name of the Nominee
- Degrees (titles, dates, schools)
- Present position(s), followed by significant former positions (with dates)
- List of major publications having statistical content
- List of activities related to teaching and dissemination of statistical knowledge
- List of consulting activities related to statistical problems or editorial contributions, and
- List of activities supporting the mission of the ASA and related professional organizations
To submit a nominee, send the nomination packet in pdf format via e-mail to victor.deoliveira@utsa.edu writing "Owen Award" in the subject field. Alternatively, six copies of the nomination packet can be mailed to Dr. Victor De Oliveira.

Dr. Victor De Oliveira  
Department of Management Science and Statistics  
University of Texas at San Antonio  
One UTSA Circle  
San Antonio, Texas 78249

You may contact by telephone at 210-458-6295.

The deadline for nominations is Friday, February 2nd, 2018

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**Other opportunities or information**

1. **AAAS Mass Media Science & Engineering Fellowship**

   2018 application available  
   October 16 – January 15!

   The AAAS Mass Media Science & Engineering Fellowship places science, engineering, and mathematics students and postdocs at media organizations nationwide. They have worked as reporters, editors, researchers, and production assistants at media outlets that include the *Los Angeles Times*, *WIRED*, *National Public Radio*, *National Geographic*, and *Scientific American*.

   The Mass Media Science & Engineering Fellows use their academic training in the sciences as they research, write and report today’s headlines, while sharpening their abilities to communicate complex scientific issues to the public. The Fellowship experience broadens the participant’s career path while increasing the public’s understanding of science and technology. For additional information about the program visit [aaas.org/mmfellowship](http://aaas.org/mmfellowship).

2. **The Committee on Applied Statisticians announces its 2nd Webinar within the Collaboration Initiative**

   Title: "Cultivating Productive Relationships"  
   Date: October 25, 2017  
   Time: 1:00-2:00PM EDT  
   Presenters: Louise Mallette (The Telic Group)

   Abstract:  
   This webinar is for statisticians and data scientists who recognize that one of the keys to successful outcomes in their work is the importance of the relationships they have with others. Cultivating these relationships is not so much about skills as they are about the “excavation” and manifestation of our
attributes and intentions. This seminar will focus on several important elements: How does one have conversations that will help clarify the wants and needs of colleagues and clients? How do you dig deeper into these conversations and everyone's interests so you can best address them? How do you establish an ongoing connection with others? We will introduce/reinforce a number of tools and approaches to help develop and deepen these relationships including how to build trust and safety; using appreciative inquiry; active listening; and building commitment.

To register: [www.eventbrite.com/e/...](www.eventbrite.com/e/...)

Other upcoming monthly seminars include:

- Leading with Questions
- Navigating Intercultural Differences
- Embracing Change
- Conflict Resolution
- Negotiating
- Influence without Authority
- Teamwork
- Statistical Collaboration: Putting the Pieces Together

Information on the CAS Collaboration Initiative:
Applied statisticians must collaborate to help answer their organization's research and business questions. With strong partnership, we can proactively seek fellow collaborators, work together to develop the research questions, design the analyses, and interpret the results. To be a successful collaborator, statisticians must also think holistically by contributing to the overall project rather than focusing only on the statistical components of the project.

To collaborate successfully, it is important to communicate clearly, know how to develop rapport, negotiate, understand cultural differences, and much more. CAS has developed a Collaboration Initiative to develop these essential skills. This training program includes a series of free, one-hour webinars, listed below, to enhance the important collaboration skills that all applied statisticians need to be successful.

For more information on the program, email us at [appliedstatisticians@gmail.com](mailto:appliedstatisticians@gmail.com) or visit our website at [Community.AmStat.Org/CAS](http://Community.AmStat.Org/CAS).

(3) University of Central Florida announces new program: Ph. D. in Big Data Analytics

University of Central Florida’s Ph.D. program in Big Data Analytics is the first of its kind in the state of Florida and one of few across the globe.

Harvard Business Review declares Big Data: the Management Revolution. National Institute of Health states that “Biomedical Big Data is more than just very large data or a large number of data sources”, but “diverse and complex”, “faces many challenges” and “provides spectacular opportunities.” This explosion of big data has ushered in the need for researchers and industry professionals that truly understand and are capable of managing Big Data for better decision making.
Data scientists are in shortage and the Compensation for Data Scientists is very high. A McKinsey study predicts that by 2018 the number of data science jobs in the United States alone will exceed 490,000, but there will be fewer than 200,000 available data scientists to fill these positions. Data scientists can earn a base pay of $116,840 (Glassdoor, 2016) and an average base salary of $113,436 (Forbes, 2016).

Curriculum

This program aims to train students and researchers with a statistics background to have knowledge of big data architecture such as distributed storage and processing, to have the ability to analyze massive, structured or unstructured data to uncover hidden patterns, actionable associations, and other useful information, and to have the ability to communicate and interpret the findings obtained from the data. In addition, the program has an interdisciplinary component that combines the strength of statistics and computer science. The curriculum includes advanced statistics, data mining, machine learning, and other recent developments in big data analytics. We expect our students to possess the following core skills: statistical inference, algorithm development, data management, and network computation.

Research

This Ph.D. program will strengthen the quality and reputation of research and innovation by providing the highest quality of pioneering scholarship and impactful research and conducting research specifically in the areas of big data analytics. This will be obtained through the program’s productive faculty and with the strong Ph.D. students. The department has close connections with local, national and international companies in banking, healthcare, entertainment, and technology. Ph.D. students in the Big Data Analytics program will have the opportunity to work with researchers from different research disciplines within UCF and on research projects with such companies.

Practice

We have seen a growing need for an educated and talented workforce of data scientists who can contribute to industry, government and academia through innovative applications of original and existing data analysis methodologies. This program pursues high levels of community and business engagement. Our Ph.D. Industry Advisory Board consists of member-participants from CFE Federal Credit Union, Sodexo, UCF Institute for Simulation and Training, the Walt Disney Company, Johnson & Johnson, CitiGroup Inc., iCube Consultancy Services Inc., UniKey Technologies, SAS, and Health First. The Board continuously provides feedback on industry-driven competencies.

Financial Assistance

Teaching and research assistantships are available through the Department of Statistics. Fellowships are awarded on a competitive basis. Internships at local and national companies in the Greater Orlando area provide students the opportunity for invaluable working experiences.

Application

In addition to the general UCF graduate application requirements, applicants to this program must provide:

- One official transcript (in a sealed envelope) from each college/university attended.
• Bachelor's or Master’s degree in related field.
• Official, competitive GRE or GMAT score, taken in the last five years.
• Three letters of recommendation.
• Goal statement.
• Résumé.

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*Applicants who plan to enroll full time in a degree program and who wish to be considered for university fellowships or assistantships should apply by the Fall Priority date.

For more information of this program, please visit our website at https://sciences.ucf.edu/statistics/ or contact Dr. Liqiang Ni, Program Director, Statistics Graduate Studies, at 407-823-6664, lni@ucf.edu

(4) Georgetown University: new PhD program in Biostatistics

Georgetown University's Department of Biostatistics, Bioinformatics, and Biomathematics invites applications for its new PhD program in Biostatistics for Fall 2018 from highly motivated individuals with a strong statistics background and an interest in quantitative issues in biomedical research. The program is integrated with the world-class biomedical research at Georgetown University Medical Center. The department has grown substantially since 2002.

Fall 2018 Application Deadline: December 1, 2017

For more information, see our website: https://biostatistics.georgetown.edu/education/phd
Department of Biostatistics, Bioinformatics & Biomathematics
Georgetown University Medical Center - Lombardi Comprehensive Cancer Center
4000 Reservoir Rd NW, Building D, Suite 180, Washington, DC 20057
email: dbbb@georgetown.edu

(5) Latest issue of Statistics Teacher available online

The newest issue of the Statistics Teacher online journal is available now! Teachers can find new lesson plans by grade level, articles about teaching statistics, columns about technology and assessment, and more!

Visit StatisticsTeacher.org for more resources.

How to Lie (to Congress) with Statistics

Our first article, by Kirk Anderson and Mary Richardson, gives teachers a rich example to use when teaching statistics. There are three main aspects of this example that can be used: A distorted graph, the response to the graph, and Darrell Huff's book, How to Lie with Statistics.

What Is Power?
Our second article, by Angela Walmsley and Michael Brown of Concordia University Wisconsin, describes the importance of power in introductory statistics, a concept often ignored in introductory courses. The authors provide several explanations of power and how it is related to topics such as Type I and Type II errors.

**LOCUS: A Repository of Assessments of Statistical Understanding**

This column highlights a resource developed as part of a project led by Tim Jacobbe. LOCUS, Levels of Conceptual Understanding in Statistics, is an NSF-funded project that provides a rich repository of assessments of statistical understanding.

**7 Prime Technology Ideas to Begin the New School Year**

As you plan how you will get your students working together and how you will assess their learning, read about seven technology ideas in this month’s Technology column.

**Lesson Plans**

The lesson plans in this issue were chosen to make readers aware of recently published lessons and lessons that address common, hard-to-teach topics in middle and secondary curricula.

**Fall Announcements & New October Announcements**

For upcoming learning opportunities, programs, and deadlines, see the Announcements page.

See everything from the new issue online here.