Caucus of Academic Reps (CAR) Weekly Digest  
November 4, 2016  
http://www.amstat.org/education/aboutthecaucus.cfm

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Positions

(1) New York University: Tenure-track Assistant/Associate Professor in Applied Statistics/Data Science

New York University’s Center for Data Science and PRIISM Applied Statistics Center invite applications for a tenure-track Assistant or Associate Professor in Applied Statistics/Data Science to begin September 2017. The faculty member will be jointly appointed to these two centers and in the HMSS department within the Steinhardt School of Culture, Education, and Human Development. The HMSS department is home to Applied Statisticians, Social Scientists, and Humanities faculty with interdisciplinary ties. The successful candidate will teach classes associated with masters programs in Data Science (MS-DS) and Applied Statistics for Social Science Research (MS-A3SR). NYU Steinhardt is committed to substantially increasing the proportion of our faculty from historically underrepresented groups as we strive to create the most intellectually diverse, inclusive, and equitable institution that we can. Contact Marc Scott, Search Chair, at marc.scott@nyu.edu with a brief letter of interest and for application details. To apply, visit apply.interfolio.com/38614

(2) University of California, San Francisco, School of Medicine, Department of Epidemiology & Biostatistics: Chair

The School of Medicine at UC San Francisco seeks an outstanding individual to lead its Department of Epidemiology & Biostatistics. The successful candidate will have exceptional administrative and organizational skills and a national reputation as a leader in areas related to the mission of the department, which include clinical, infectious, genetic and chronic disease epidemiology, biostatistics, and bioinformatics as well as medical and/or epidemiological education and research. The individual chosen will have major responsibilities in the overall direction of this distinguished department. MD, PhD or equivalent degree required.
Please apply online at [https://aprecruit.ucsf.edu/apply/JPF01121](https://aprecruit.ucsf.edu/apply/JPF01121)

Open date: October 28th, 2016

Next review date: December 1st, 2016
Apply by this date to ensure full consideration by the committee.

Final date: April 28th, 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.

(3) **California State University, Northridge, Department of Mathematics: two tenure track assistant professor professions**

The Department of Mathematics at California State University, Northridge (CSUN) is developing a new option in Statistics for our Master's degree. To support this program and to serve the growing number of CSUN students taking statistics courses at all levels, we invite applications for two tenure track Assistant Professorships in Statistics and/or Probability, to begin August 23, 2017. In addition to holding a PhD in Statistics, or in Mathematics with research activity in Probability, by that date, candidates must demonstrate an ability and commitment to teaching, mentoring, and working with a diverse student population. We are particularly interested in candidates with a demonstrated strong research potential in any of the following: high-dimensional data and statistical learning, functional data analysis, resampling and computer-intensive statistics, spatial statistics, Bayesian nonparametrics, hierarchical modeling, biostatistics, time series analysis, and applied or theoretical probability.


(4) **The Hebrew University of Jerusalem, Department of Statistics**

The Department of Statistics at The Hebrew University of Jerusalem invites applications for an anticipated opening of a tenure-track position at all levels, beginning October 1st, 2017. Both senior and junior outstanding applicants, including those about to receive their Ph.D. degree, are encouraged to apply. We are especially interested in applicants whose area of statistical research is related to big data / data science. Experience or interest in big data social science applications is a plus. The deadline for application has been extended to November 30, 2016. More information can be found at [stat.huji.ac.il/cand](http://stat.huji.ac.il/cand).

(5) **Harvard Medical School: Assistant/Associate Professor of (Bio)statistics (tenure-track)**

Details at [academicpositions.harvard.edu/postings/7004](http://academicpositions.harvard.edu/postings/7004)
TCI is currently seeking a Master's level Biostatistician. He/she will work closely with TCI faculty and Biostatisticians of the Icahn School of Medicine at Mount Sinai. This position entails collaborating on several projects with researchers and clinicians across the Mount Sinai Health System to identify and manage datasets, to design studies, to conduct analyses, and to report research findings in order to improve the effectiveness, safety, and efficiency of healthcare.

TCI provides Master's level Biostatisticians excellent opportunities to develop professionally, which involves strong mentorship and participation in disseminating research findings through scientific papers and meetings.

Duties and Responsibilities:

- Collaborate with clinical investigators to understand and design aims of research study and identify appropriate statistical analysis plans
- Data management for multiple research projects
- Perform statistical analyses, write and validate application programs using statistical software and other programming languages
- Conduct, interpret, and report analyses of research projects using descriptive statistics, basic inferential tests, and advanced statistical procedures under supervision of senior biostatisticians
- Research available methods and software options for various projects, and acquire an understanding of new statistical methods and software as necessary

Minimum Qualifications:

- Master’s degree in biostatistics, statistics or a related discipline (such as computer science, mathematics)
- A deep understanding of various statistical methods
- Experience with regression and survival analysis
- Excellent computer skills including experience with programming in SAS, Stata, and/or R
- Proficiency with Microsoft (Word, Excel, PowerPoint)
- Strong organizational skills and attention to detail
- Excellent written and interpersonal communication skills
- Ability to work independently, under minimal supervision and as part of a team

Preferred Qualifications:

- Two or more years of experience as a Biostatistician, Statistical Programmer or Data Analyst
- Experience with statistical applications in molecular biology and genetics
- Collaborative research experience with clinical data

To apply for this position please send your curriculum vitae and a cover letter detailing your experience and interest to Dr. Madhu Mazumdar at Madhu.mazumdar@mssm.edu
Michigan State University: open rank faculty positions

Full advertisement at www.stt.msu.edu/jobs

The Department of Statistics and Probability at Michigan State University (MSU) plans to fill at least two tenure-track or tenured faculty positions, to begin in August 2017. Rank will be commensurate with qualifications.

For one position, excellent candidates are sought in applied statistics and the core of modern statistical methods. A typical candidate will be an energetic and talented researcher with a nationally established record or strong potential for such, working in statistical-theory-driven methodology grounded by scientific applications. All exceptional candidates in the statistical sciences and probability, at all career levels, will be considered, and are encouraged to apply.

For the other position, the Departments of Statistics and Probability and Computational Mathematics, Science and Engineering (CMSE), are jointly seeking exceptional candidates at all career levels from all areas of data science, for a majority appointment in Statistics and Probability. Specific priority research areas for this position include theory and methods in computational statistics for handling large datasets, high-dimensional, functional, spatial, and complex data analysis, statistical machine learning broadly construed, Bayesian and other guided or unguided learning. An ideal candidate for this joint position will draw a close connection between the computational side of data analysis and its applications, and the core of the modern statistical sciences. Areas of application of particular interest include the environmental sciences and climate change, genetic/genomic data analysis including genotype-to-phenotype association and prediction, medical and other image analysis, and precision medicine. Successful candidates are expected to publish in top tier statistics and computational journals and attract significant external funding.

For both positions, typical applicants will have a PhD in statistics or in a closely allied discipline. In addition to strong research credentials, as measured by publication record, established or potential funding levels, and other academic recognition, candidates are expected to provide evidence or potential for high quality teaching in undergraduate and graduate level statistics courses. For senior applicants, evidence of robust external funding and interdisciplinary research are essential, while evidence of engagement with national or international disciplinary organizations, and connections with industrial, government, and/or other professional sectors, are desirable.

Interested candidates should apply via MSU’s online job application website (http://jobs.msu.edu).

For full application instructions, and more information about the positions, please visit: https://stt.msu.edu/Job_Postings.aspx Posting #4320 is the joint position with CMSE; Posting #4292 is the other position. Applications received by Jan 2, 2017 will receive full consideration, but applications will be considered until the positions are filled. MSU is an affirmative action, equal opportunity employer and is committed to achieving excellence through diversity. The University actively encourages applications and/or nominations of women, persons of color, veterans and persons with disabilities. We endeavor to facilitate employment assistance to spouses or partners of candidates for faculty and academic staff positions.
University of Pittsburgh, Department of Statistics: two lecturer positions

The University of Pittsburgh's Dietrich School of Arts and Science is seeking applications for two Lecturer positions in the Department of Statistics beginning September 2017. Both these positions are outside the tenure stream with the expectation of rolling multiyear contract renewals for successful lecturers.

Candidates must have a Ph.D. in statistics, biostatistics or related field and a demonstrated talent for teaching undergraduate statistics courses and possibly applied masters courses. Lecturers are involved in advising undergraduate students, mentoring graduate teaching assistants, course development, and other administrative and scientific activities for the department's functioning and growth. The candidate is expected to have knowledge about the breadth of statistics and its interface with other disciplines. There is the possibility that an applicant with exceptional qualifications can be appointed as a Senior Lecturer. The normal teaching load is three courses in each semester. Several years after appointment, reductions in teaching may be possible depending on the approved non-instructional activities supported by a lecturer. (This position is subject to final budgetary approval.)

Additional information about the position can be found at www.stat.pitt.edu/open-positions-department-statistics. Informal inquiries about this position may be directed to Prof. Allan Sampson, Interim Chair at asampson@pitt.edu. Applicants should submit a detailed cover letter, a curriculum vitae, and letters from four references. This material should be sent to StatLecturerSearch@pitt.edu. Review of applications will begin December 9, 2016 and continue until position is filled.

UMass-Amherst: faculty position in biostatistics

We have an open search for a tenure-track Assistant Professor in Biostatistics at UMass-Amherst. The deadline is Nov 15. Full advertisement is at: umass.interviewexchange.com/...

South Dakota State University, Department of Mathematics and Statistics: tenure track position

We have an open tenure track position in the Mathematics and Statistics department at South Dakota State University. Go to this link https://yourfuture.sdbor.edu to apply. See details below.

The Department of Mathematics and Statistics invites applications for a nine-month, tenure-track faculty position in Statistics with principal duties to include research, teaching, and outreach. The ideal candidate will have prior experience in the application of statistical methods to a variety of scientific disciplines. This individual will become an integral member of a diversified and active team of Mathematics and Statistics Faculty supporting the Ph.D. in Computational Science and Statistics, the Master's degree in Statistics, the Master's degree in Data Science, and the Master's and Bachelor's degrees in Mathematics.

Responsibilities: Responsibilities will include teaching and advising in the undergraduate and graduate programs, research, service, and outreach to the campus and region. Teaching duties will include teaching three to six credits per semester of undergraduate and graduate courses, and advising undergraduate and graduate student projects and research. Research duties will include: developing
and maintaining a regionally-relevant research program and developing sources of external research funding and graduate student support.

Qualifications:
Required qualifications include an earned Ph.D. in Statistics or closely related discipline completed by the start date of employment, with preference given to those with strength in at least one of mathematical statistics, pattern recognition, time series, or Bayesian statistics; demonstrated potential to be an effective teacher at the graduate and undergraduate level; demonstrated potential to conduct an effective research agenda with the potential to obtain external funding; excellent written and verbal communication skills; and excellent collaborative and interpersonal skills.

Additional desired qualifications include experience in spatial and temporal statistics, machine learning, data mining, and in the provision of applied statistical consultative services in a variety of scientific disciplines. The candidate should have demonstrated enthusiasm and aptitude to supervise student practicum experiences and internships, and direct undergraduate research.

Application Deadline: Screening of applications will begin December 1, 2016 and will continue until the position is filled.

APPLICATION PROCESS:
SDSU accepts applications through an on-line employment site. To apply, visit: https://yourfuture.sdbor.edu, search by the position title, view the job announcement, and click on "apply for this posting." The system will guide you through the electronic application form. The employment site will also require the attachment of a cover letter, which should specifically address how the candidate meets the qualifications as outlined in the advertisement; curriculum vitae; transcript for your terminal degree; and contact information for at least three professional references. Email applications will not be accepted. Please contact SDSU Human Resources at (605) 688-4128 if you require assistance with this process.

For questions on the position, contact Thomas Brandenburger at (605) 688-6196 or Thomas.brandenburger@sdstate.edu.

APPLICATION INFORMATION
Contact:
Thomas Brandenburger
Mathematics & Statistics
South Dakota State University
Phone: 605-688-6196
TDD: 605-688-4394
Online App. Form: https://yourfuture.sdbor.edu
(11) Purdue University, Department of Statistics: tenured professor, bioinformatics

The Department of Statistics, Purdue University invites applications for a tenured faculty position beginning August 2017 at the rank of Professor in the area bioinformatics that is broadly defined as statistical applications to biological studies.

All applicants should hold a Ph.D. in Statistics or a related field, and have demonstrated excellence in research and teaching. An established funding history and the ability to lead interdisciplinary research projects are strongly preferred. Salary and benefits are highly competitive. To apply, please visit www.stat.purdue.edu/hiring.

Review of applications will begin on December 1, 2016 and will continue until the position is filled.

(12) National Cancer Institute, Division of Cancer Treatment & Diagnosis, Biostatistics Branch: Ph.D. statistician or biostatistician

The Biostatistics Branch (BB) within the Biometric Research Program (BRP) of the NCI is seeking candidates with preferably a Ph.D. in Statistics, Biostatistics or equivalent.

The candidate will be a member of the Biometric Research Program (BRP) (http://brb.nci.nih.gov) and will collaborate with investigators of the NCI Cancer Therapy Evaluation Program (CTEP) (https://www.ctep.cancer.gov/). The candidate will coordinate with CTEP senior staff in the development and review of national clinical trials. The candidate will conduct research on statistical issues involved in clinical trial design, management and analysis, or other important topics related to cancer research. Candidates with interest in clinical trial design are of particular interest.

The National Cancer Institute (NCI) is part of the National Institutes of Health and is considered the federal government's principal agency for cancer research. The Biostatistics Branch is organizationally located within the Biometric Research Program, Division of Cancer Treatment and Diagnosis, NCI. The Biostatistics Branch is responsible for statistical leadership and oversight for the national program of therapeutic and diagnostic clinical trials of the NCI, as well as translational research in developmental therapeutics, diagnostics and cancer imaging. Members of the Biostatistics Branch are doctoral level statisticians who are experts in the development, evaluation and application of state-of-the-art methods for the design, monitoring and analysis of clinical trials and related studies. The Biometric Research Program is an integral component of NCI that supports NCI’s overall mission by enhancing the rate of promising scientific discoveries, and efficiency of their translation, to advance clinical care to reduce the burden of cancer in the United States and around the world.

This is an exploratory ad to gauge interest and a possible candidate pool. Vacancy Announcements (VAs) to fill the positions will be posted on WWW.USAJOBS.GOV at a later date.

Candidates must be U.S. citizens. Compensation for the positions is commensurate with the individual’s qualifications and experience as permitted within Federal Government appointments.

Please submit your C.V., a statement of interest and contact information for three references to Dr. Lisa McShane, Biostatistics Branch, Biometric Research Program, National Cancer Institute at lm5h@nih.gov.
The Department of Statistics at the University of Connecticut invites applications for two full-time tenure-track Assistant Professor positions to begin in August 2017.

The successful candidate will be expected to share a deep commitment to effective instruction at the undergraduate and graduate levels and to the mentoring of students in their professional development. Successful candidates will be expected to broaden participation among members of under-represented groups; demonstrate through their activities the richness of diversity in the learning experience; integrate multicultural experiences into instructional methods and research tools; contribute to the development of pedagogical techniques designed to meet the needs of diverse learning styles and intellectual interests.

Minimum Qualifications: Ph.D. in statistics, biostatistics, applied probability or a closely related discipline. Equivalent foreign degrees are acceptable. Candidates should demonstrate a superior research record and potential in at least one area among big data science, high-dimensional data, applied probability, financial/time series and panel data, image and functional data, spatial and temporal statistics, design of clinical trials, or network data analysis. Candidates with an outstanding research record in other areas may also be considered. Strong potential for grant support is needed.

Preferred Qualifications: Postdoctoral experience or a prior assistant professorship; strong interpersonal and communication skills; an outstanding record of research and scholarship excellence; commitment to effective teaching, integrating technology into instruction, on-line instruction; and the ability to contribute through research, teaching, and/or public engagement to the diversity and excellence of the learning experience.

Appointment Terms: These are full-time, 9-month, tenure track positions at the assistant professor level with an anticipated start date of August 23, 2017. The successful candidate’s academic appointment will be at the Storrs campus. Faculty may also be asked to teach at one of UConn’s regional campuses as part of their ordinary workload. Salary will be commensurate with qualifications and experience.

To Apply: Visit http://hr.uconn.edu/faculty/ > College of Liberal Arts & Sciences to view the job posting. Select "Apply Now" to be redirected to Academic Jobs Online to complete your application. Please include the following: a cover letter; curriculum vitae; copy of transcript; teaching statement (including teaching philosophy, teaching experience, commitment to effective learning, concepts for new course development, etc.); research and scholarship statement (innovative concepts that will form the basis of academic career, experience in proposal development, mentorship of graduate students, etc.); commitment to diversity statement (including broadening participation, integrating multicultural experiences in instruction and research and pedagogical techniques to meet the needs of diverse learning styles, etc.); sample journal articles or books. Additionally, please follow the instructions in Academic Jobs Online to direct three reference writers to submit letters of reference on your behalf. Complete application materials must be received by Friday, January 13, 2017 to be considered. Inquiries may be addressed to Lynn Kuo, Search Committee Chair, at lynn.kuo@uconn.edu.
(1) NIJ: Fellowship Opportunities Webinar Recording, Transcript, and Slides

NIJ recently held a webinar to provide an overview of the research fellowship opportunities provided by NIJ, including the Graduate Research Fellowship Program, W.E.B. DuBois Fellowship, Visiting Fellows Program, New Investigator/Early Career Program, and Research Assistantship Program.

Interested candidates can now apply for Research Assistantships and/or Graduate Research Fellowships.

Video recording
Transcript
Slides

(2) NIH: Pilot Clinical Trials in Pediatric Chronic Kidney Disease Data Coordinating Center (U24)

Funding Opportunity Purpose

The purpose of this Funding Opportunity Announcement (FOA) is to initiate and implement a network of participating clinical centers and a data coordinating center to perform pilot and feasibility studies of therapies to slow or reverse the progression of chronic kidney disease (CKD) in children. This FOA invites applications for the Data Coordinating Center (DCC) and runs in parallel with a separate FOA that invites applications for the Participating Clinical Centers (PCCs) (RFA-DK-16-018). These pilot studies will seek to optimize critical elements of a full-scale randomized control trial design - the most promising study question, agent(s), target population, dosing, data collection, and appropriate outcomes. Applicants must propose two trial designs to be conducted sequentially over the funding period. One trial will be to lower serum uric acid levels, while the other can be an appropriately justified study question of the applicant's choosing. The ultimate goal of this FOA is to obtain the necessary information to design and implement one or more full-scale randomized controlled clinical trial of therapies to reduce morbidity in children with CKD.

Key Dates

- Posted Date October 27, 2016
- Open Date (Earliest Submission Date) January 17, 2017
- Letter of Intent Due Date(s) January 17, 2017
- Application Due Date(s) February 17, 2017, by 5:00 PM local time of applicant organization

(3) NIH: Translational Bioinformatics Approaches to Advance Drug Repositioning and Combination Therapy Development for Alzheimer's Disease (R01)

Funding Opportunity Purpose
This funding opportunity invites applications that integrate the use of computational approaches to identify individual drugs currently used for other conditions with potential to be efficacious in AD or AD-related dementias (as single drugs or as drug combinations) with proof-of-concept efficacy studies in cell-based models, animal models and/or humans.

Key Dates

- Posted Date October 25, 2016
- Open Date (Earliest Submission Date) January 5, 2017
- Letter of Intent Due Date(s) Not Applicable
- Application Due Date(s) Standard dates apply, by 5:00 PM local time of applicant organization

(4) NIH: Multiple opportunities related to BD2K

- BD2K FOA: RFA-ES-16-011 “BD2K Research Education Curriculum Development: Data Science Overview for Biomedical Scientists (R25).” Applications due December 7, 2016. For additional information, contact the BD2K Training Team at: bd2k_training@mail.nih.gov.

- BD2K FOA: RFA-LM-17-001 “Big Data to Knowledge (BD2K) Enhancing the Efficiency and Effectiveness of Digital Curation for Biomedical Big Data (U01).” Applications due December 15, 2016. For additional information, contact Valerie Florance at: florancev@mail.nih.gov.

- NIH call for Public Feedback for DataMed DDI Prototype: Developed through the BD2K biomedical and healthCAre Data Discovery Indexing Ecosystem project (bioCADDIE), the prototype allows users to find and access biomedical datasets from multiple sources based on key attributes. DataMed is an element of the NIH BD2K Commons, the vision for an interconnected digital ecosystem of resources around data and other research digital objects. DataMed is a work in progress and the bioCADDIE development team welcomes your feedback here. For more information, contact: Anupama.E.Gururaj@uth.tmc.edu or biocaddie@ucsd.edu.

BD2K Events:

- Registration is now open for Brainhack Los Angeles – Big Data Tools for Connectomics (events.brainhack.org/LA2016)! This 3-day workshop will be held November 10-12 in Los Angeles, California just before the 2016 Society for Neuroscience (SFN) Annual Meeting. Brainhack events (http://brainhack.org) bring researchers from disparate backgrounds together to collaborate on problems in neuroscience. Brainhack Los Angeles is supported by and brings together the incredible expertise of two NIH BD2K Centers, ENIGMA [http://enigma.ini.usc.edu/] and Big Data for Discovery Science [http://bd2k.ini.usc.edu/]), and a NIH P41 Center, ReproNim: Center for Reproducible Neuroimaging Computation [www.reproducibleimaging.org/]). For additional information, email: info@brainhack.org.

- The BD2K Training Coordination Center (TCC) invites you to a weekly webinar series, “The BD2K Guide to the Fundamentals of Data Science,” Fridays, 12:00pm ET (9:00am PT). The Series will be streamed live, login/registration link is available on the Event Webpage. Archived lectures are available on the TCC YouTube Channel. For additional information, contact John Van Horn at: jvanhorn@usc.edu.
Various Data Science Opportunities

- NIEHS Funding Opportunity: Powering Research through Innovative Methods for mixtures in Epidemiology (PRIME) (R01) RFA-ES-17-001. Applications are due February 22, 2017 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.

- NSF funding opportunity: Transdisciplinary Research In Principles Of Data Science (TRIPODS) www.nsf.gov/funding/pgm_summ.jsp?pims_id=505347 aims to bring together the statistics, mathematics, and theoretical computer science communities to develop the theoretical foundations of data science through integrated research and training activities. Letters of Intent due January 19, 2017; Full Proposals due March 15, 2017.

- NIH BRAIN Initiative FOA for Data Archives: RFA-MH-17-255 – This FOA is aimed at funding web-accessible data archives to capture, store, and curate data related to BRAIN Initiative activities. Applications due January 17, 2017 and October 19, 2017.

- NIH BRAIN Initiative FOA for Standards: RFA-MH-17-256 – This FOA is aimed at funding short term projects to develop standards that describe experimental protocols that are being conducted as part of the BRAIN Initiative. The funded data archives will be required to use these standards. Applications due January 10, 2017 and October 11, 2017.

- NIH BRAIN Initiative FOA for Software Development: RFA-MH-17-257 – This FOA is aimed at developing informatics tools (or modifying existing tools) for analyzing, visualizing, and integrating data related to the BRAIN Initiative. Applications due January 19, 2017 and October 26, 2017.

Tech at Bloomberg: Data Science Research Grant Program

www.techatbloomberg.com/...

Bloomberg invites faculty worldwide to apply for unrestricted gifts that support research in broadly-construed data science, including natural language processing, machine learning, and data mining. We also invite proposals for creation of, or contributions to, open source software used for data science.

Round 4 – Spring 2017

Application Deadline: January 3, 2017

Applications

Faculty members, research scientists, and post-doctoral fellows at universities worldwide are eligible to serve as Principal Investigators (PIs). A PI can lead one proposal per cycle, but can serve as co-PI on other proposals.

Applications should be submitted here in PDF format. We prefer a single file containing all materials, named after the first PI’s last name and first name. Please note that Bloomberg cannot accept any proposal containing confidential or proprietary information.

The application deadline for Round 4 is January 3rd 2017 and the awarded grants will be announced before March 1st.
Criteria

We look for technical merit, novelty, and potential for impact. Good proposals present a data science problem, a specific idea, and argue that this idea has the potential to succeed. Proposals to investigate an area without a plan of attack are less likely to be funded. We also prefer to fund research that is not easily funded otherwise.

If the proposal depends on other funding or non-public data, the proposal should state whether it has been secured.

Proposals are reviewed by a committee of Bloomberg employees from various areas of data science. The bulk of the proposal should be directed at a technical data science reviewer, but we also ask that it include one to two paragraphs making the case to a technical non-expert.

Bloomberg employees in your research community can provide feedback before you submit a proposal. Contacting employees is not required for funding, but it can help. All funded projects will be assigned a contact at Bloomberg.

Open Research

Participants are strongly encouraged to openly release papers, data, and programs that result from their research. Proposals should state the PI’s intentions, which will be considered during the review. However, because this program provides unrestricted gifts, publication of research results is not a contractual requirement. PIs previously funded by Bloomberg should indicate whether their results are open.

Structure

The proposal should contain four sections: title, technical details, budget, and data policy. The maximum length of a proposal is three pages including references. Each PI should submit his/her CV along with the proposal. If any of the PIs have received funding from Bloomberg in the past, they should include an additional half page summary of the results (total three and a half pages).

Details

Title

Please provide names, contacts, and affiliations of the PIs along with the proposal title. If any Bloomberg employees were consulted in preparing the proposal, please provide their names as well.

Technical Details

The bulk of the proposal should be directed at a technical data science audience, but we also ask that it include one or two paragraphs making the case to a non-expert. A typical proposal will contain:

- Abstract, problem statement, and the PI’s ideas
- Description of the proposed work and expected results
- Relevant references

Budget
Along with the total amount (in USD) requested in the proposal, it should also provide a brief breakdown of the direct costs, including: student/post-doc stipend, tuition fees, conference travel, and hardware. Typically, we fund one student for one year, which is often 40,000 to 70,000 USD.

Indirect costs such as administrative overhead will not be funded.

Data Policy

Please briefly state the means by which the results produced by this funding will be disseminated (e.g. open source software, open access journals, conferences, and/or presentations).

Additional Information

Grant awardees will be given access to a Bloomberg Professional Service (terminal) account, which includes decades of structured and unstructured financial and news data. Requests to use Bloomberg proprietary data for research purposes will be considered on a case by case basis. At least one PI from each successful proposal will be expected to present their (possibly partial) results and meet our data science researchers at Bloomberg’s New York or London offices. Costs for this travel will be borne by Bloomberg and are separate from the grant award. Grant awardees may separately apply to spend their sabbatical year or summers at Bloomberg. We also encourage students working under the grant awardees to apply for summer internships.

Previous Grant Recipients

**Round 1 – April 2015**

- **Scalable Probabilistic Deep Learning, Professor Jinwoo Shin, KAIST, South Korea**
- **Algorithms for Offline, Online and Stochastic Clustering, Professor Viswanath Nagarajan, University of Michigan**
- **Latent-Variable Learning for Transition-Based Parsing, Professor Shay Cohen, University of Edinburgh and Giorgio Satta, University of Padua**

**Round 2 – October 2015**

- **Deep Topic Models, Professor Alexander Smola and Professor Chris Dyer, Carnegie Mellon University**
- **Distributed Local Learning via Random Forests, Professor Ameet Talwalkar, University of California at Los Angeles**
- **Establishing Trust in Tweets, Professor Mark Dredze, Johns Hopkins University**
- **Report Linking, Professor Benjamin Van Durme, Johns Hopkins University**
- **Coherent Multi-Document Summarization, Professor Mausam, Indian Institute of Technology (IIT), Delhi**

**Round 3 – April 2016**

- **Spectral Learning with Prior Information with Applications to Topic Models, Daniel Hsu (Columbia University) and Kamalika Chaudhry (University of California, San Diego)**
- **Dynamic Interpretability in Machine Learning, Yisong Yue (California Institute of Technology)**
- **Latent-Variable Spectral Learning Kernelization for NLP, Shay Cohen (University of Edinburgh)**
• Online clustering of time-sensitive data, Stephen Becker (University of Colorado at Boulder)
• Character-level neural network sequence models for varied text named entity recognition, Christopher Manning (Stanford University)
• What’s The Angle? Disentangling Perspectives from Content in the News, Noah Smith (University of Washington), Amber Boydstun (University of California, Davis), Philip Resnik (University of Maryland), Justin Gross (University of Massachusetts, Amherst)
• Multimodal Event Summarization, Mohit Bansal (TTI-Chicago)
• Contextual Entity Recommendation, Maarten de Rijke (University of Amsterdam)

(7) NSF Launches Multidisciplinary Data Science Program for Collaborative Institutes

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(1) Department Chairs Gather at ASA to Discuss Pressing Education Issues
See summary at http://magazine.amstat.org/blog/2016/11/01/department-chairs-gather-at-asa-to-discuss-pressing-education-issues/

(2) Women in Data Science and Mathematics Research Collaboration Workshop (WiSDM)
See details at https://icerm.brown.edu/topical_workshops/tw17-3-wisdm/

(3) Sixth annual ASA Conference on Statistical Practice

Will you be joining us for the sixth annual ASA Conference on Statistical Practice in Jacksonville, Florida, February 23–25, 2017? CSP provides opportunities for attendees to learn new statistical methodologies and best practices in statistical analysis, design, consulting, and statistical programming. Beyond hands-on skills development, there are also many opportunities for mentoring, networking, and engaging with colleagues!

Keynote Address
David Banks of Duke University will present *Snakes and Ladders: Challenges in Forging a Career in Statistics*. His talk will address the challenges facing the profession and how to manage your career to best capitalize on the move to a knowledge-based economy.

**Mentoring Program**

*Both mentors and mentees are needed.* Strengthen the statistics community by participating and building a network of colleagues who will support and encourage one another. There is no cost to participate, but mentees are selected via an application process and participation is limited.

**Career Service**

The CSP Career Service is another benefit of attending the conference. It is a web-based system that connects *candidates* and *potential employers* so they can pursue informal meetings and interviews during the conference and have access to one another long after the meeting. All registered CSP attendees can post their résumés at no charge.

**Early registration** for the conference is open through January 10, 2017. Our goal is to maintain the intimate and personal feel of the conference, so register before the conference and courses are filled.

**Nominate someone from your department for an ASA award**

All the details are in this short article: [http://magazine.amstat.org/blog/2016/11/01/for-the-thanksgiving-season-thank-someone-with-an-award-nomination/](http://magazine.amstat.org/blog/2016/11/01/for-the-thanksgiving-season-thank-someone-with-an-award-nomination/)

**Breiman Junior Award**

The Breiman Award Committee of Statistical Learning and Data Science Section invites applications for the first 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 senior Breiman award was awarded to Professor Grace Wahba in 2016.

The Breiman Award Committee selects the Breiman junior scholar based on outstanding theoretical or methodological contributions to machine learning and/or computational statistics, which has extraordinary merit on the subject and on practical applications, and will have received a doctoral degree no more than 12 years prior to 2016. For example, an individual eligible for 2016 must have received a doctoral degree dated 2004 or later.

The award includes a monetary prize, a plaque, and an invited lecture in the same session with the first senior awardee Grace Wahba at JSM (Baltimore) in 2017.
Nominations are due by January 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
Annie Qu, Professor of Statistics
University of Illinois at Urbana-Champaign
Champaign, IL 61820

(6) SIE 2017 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 2017 JSM, July 29-August 3, 2017, Baltimore, MD. 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, 2014. 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 2017 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, 2016. 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, vychi@ufl.edu Section Secretary/Treasury. Questions about the award can also be addressed to Susan Shortreed, shortreed.s@ghc.org, 2017 Section Chair.
MDD Student Paper Award

The Medical Devices and Diagnostics (MDD) section of the ASA will sponsor Medical Device and Diagnostic Section’s student paper award - sponsored by NAMSA, a student paper competition for JSM 2017. 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, 2016, 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 write-up. The applicant must be a member of the MDD ASA section.

Application materials:
The deadline for application is Dec. 15, 2016. Formal application consists of sending an email to MDDpaperJSM2016@gmail.com; with the following attachments (in PDF format):

1. The curriculum vitae of the applicant.
2. 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.
3. A cover letter describing the contributions of the paper to MDD.
4. 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, 2017. The winners (including those receiving honorable mention) must submit abstracts and register for JSM by February, 2017 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 2017.

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
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.

Zhen Zhang on behalf of the MDD Student Paper Review Committee

(8) 2017 Biopharmaceutical Student Paper Awards

Submissions are now being accepted for the 2017 Biopharmaceutical Student Paper Awards. These awards are presented annually during the Biopharmaceutical Section open business meeting held at the 2017 Joint Statistical Meetings in Baltimore, Maryland. Winners will present their paper during in one of the contributed paper sessions at JSM and are encouraged to attend the section’s business meeting to receive their award in person. In 2016, the awards were $1000 for 1st place, $600 for 2nd place, and $400 for 3rd place. Honorable mention awards ($200 in 2016) may also be given at the discretion of the Student Paper committee.

Student research papers with statistical content applicable to the biopharmaceutical arena are eligible for consideration. Submissions are judged for clarity, contribution to statistics, and biopharmaceutical applicability. Suitable topics include methodological issues in preclinical or clinical trials, epidemiology studies of drug (or device or biological) safety, genetic studies predicting drug (or biological) response, laboratory and toxicological data analyses, methods for high-dimensional data from high-throughput screening, and nonlinear pharmacokinetic modeling.

Both a complete paper and a “blinded” paper should be submitted electronically in pdf format by December 11, 2016. The submission email should contain the name, school, and contact information of the student.

In the blinded version, the student’s name and affiliation/school should not appear and names for references should not be included in the text (numbers for references should be used in text; names should appear on reference page only). References that would unblind a reviewer to the student’s name or the student’s advisor/collaborator should be removed and replaced with “reference removed.”

The length of the student paper should not exceed 15 pages of double-spaced text with no more than five additional pages of appendices (20 pages maximum). Because of the volume of submissions received, the length limitation will be strictly enforced. Consider a manuscript style for the paper to facilitate publication in the proceedings for JSM or another appropriate journal.

Papers must be submitted no later than one year after graduation and reflect research completed while a student. Submissions should be labeled “Biopharmaceutical Section Student Paper Submission” and sent to Jennifer Gauvin, Biopharmaceutical Section JSM 2017 program chair, at jennifer.gauvin@novartis.com. In addition to submitting a paper for judging, winners also must submit an abstract of the work as a contributed paper for JSM. All participants will be notified prior to the abstract submission deadline as to whether they have won or not.
Requirements for contributed paper submission must be followed in addition to those for the student paper submission.