Digest of Items of Interest to the Caucus of Academic Reps – November 15, 2013

Funding

- NIH K25: Mentored Quantitative Research Development Award

Positions

- Faculty Position, Department of Statistics, University of California, Davis
- Assistant Professor Position in Computational Science, Marquette University
- Assistant Professor Position, The Agricultural Statistics Laboratory
- Postdoctoral Research Position in Causal Inference, Harvard School of Public Health

Webinar

- Building Towards Big Data and Data Science: Third in the Guidelines for Undergraduate Statistics Programs Webinar Series, Free, Monday, November 18th

Funding

NIH K25: Mentored Quantitative Research Development Award


Next Due Data: February 12 (then June 12 and October 12)

The purpose of the Mentored Quantitative Research Career Development Award (K25) is to attract to NIH-relevant research those investigators whose quantitative science and engineering research has thus far not been focused primarily on questions of health and disease. The K25 award will provide support and "protected time" for a period of supervised study and research for productive professionals with quantitative (e.g., mathematics, statistics, economics, computer science, imaging science, informatics, physics, chemistry) and engineering backgrounds to integrate their expertise with NIH-relevant research. Prospective candidates are encouraged to contact the relevant NIH staff for IC-specific programmatic and budgetary information: Table of IC-Specific Information, Requirements and Staff Contacts.

Positions

Department of Statistics, University of California, Davis

The Department of Statistics at UC Davis invites applications for an open rank tenured/tenure-track faculty position from qualified individuals with a Ph.D. in Statistics or a related field. Applicants are
expected to have research interests in statistical methodology, theory or computing for problems involving large/massive and complex data (including the fields of statistical data mining and data reduction techniques, the analysis of networks and other object data, and statistical learning). Candidates with demonstrated interest in scientific applications in the areas of genomics, bioinformatics, computational biology or imaging, such as neuroimaging and biomedical imaging, are especially encouraged to apply, but all fields of applications will be considered.

UC Davis offers a broad range of opportunities for collaborations involving large/massive and complex data, including a Medical School, a Veterinary School, a Neuroimaging Center, and programs in Atmospheric Sciences, Cosmology, Genetics/Bioinformatics, Neuroscience, Computer Science, Geology and Psychology. The Department hosts graduate programs in Statistics and in Biostatistics (for further information see http://www.stat.ucdavis.edu).

The successful candidate will be expected to teach at both the undergraduate and graduate levels. The position will begin 07/01/2014.

To apply, please go to https://recruit.ucdavis.edu/apply/JPF00083

Review of applications will begin on December 1, 2013, and will continue until the position is filled. UC Davis is an affirmative action/equal employment opportunity employer and is dedicated to recruiting a diverse faculty community. We welcome all qualified applicants to apply, including women, minorities, individuals with disabilities and veterans.

**Marquette University Assistant Professor Position in Computational Science**

The Department of Mathematics, Statistics and Computer Science (MSCS) at Marquette University invites applications for a tenure-track Assistant Professor to begin August, 2014. The Department seeks a computational scientist with outstanding mathematical training. Preference will be shown to those with a strong research record in "big data," such as, financial data, genetic data, image data, medical data, etc., that demonstrates the - potential for establishing an externally funded research program, - ability to teach at both undergraduate and graduate levels.

The ideal candidate would - have a Ph.D. in mathematics, statistics, or a related field; - contribute to our graduate programs, in particular, to our Computational Sciences program; - seek grant funding to support collaborative, interdisciplinary research; - contribute to the overall Departmental and University mission, which includes undergraduate education.

Currently, the Department is comprised of 27 full-time faculty in pure and applied mathematics, statistics, computer science, and mathematics education. The Department places emphasis on basic, applied and collaborative research, teaching, and interdisciplinary programs. Our faculty maintain close ties with the Medical College of Wisconsin, Zablocki VA Medical Center, other Milwaukee area hospitals, University of Wisconsin-Milwaukee, and other regional institutions and industrial partners, as well as
Assistant Professor Position, Agricultural Statistics Laboratory

The Agricultural Statistics Laboratory, a unit of the Arkansas Agricultural Experiment Station, has an opening for a twelve month, non-tenure track Assistant Professor. The Laboratory is located on the University of Arkansas campus in Fayetteville. A Ph.D. in Statistics or Biostatistics is required. An individual with an M.S. in Statistics and additional post-M.S. Statistics coursework from a Statistics Department whose Ph.D. is in a closely related discipline may be considered. Current students must have completed their degree by August 1, 2014. Duties include statistical and collaborative research, statistical consulting with faculty, staff and students from the Division of Agriculture and the College of Agricultural, Food and Life Sciences, and professional service. An interest in applied Statistics along with excellent written and verbal communication skills and computing skills are required.

Interested individuals must submit a cover letter that includes a projected graduation date for current students, a curriculum vita, a transcript of all graduate work, and the names and contact information of three references. All information must be sent as pdf files attached to an e-mail addressed to mwhitme@uark.edu. The subject line of the e-mail must read "Faculty position." Questions regarding the position should be addressed to egbur@uark.edu. Review of applications will begin January 2, 2014. The University of Arkansas' Division of Agriculture is an equal opportunity, affirmative action institution. All applicants are subject to public disclosure under the Arkansas Freedom of Information Act and persons hired must have proof of legal authority to work in the United States.

Postdoctoral Research Position in Causal Inference, Harvard School of Public Health

Description:
This postdoctoral position is in the Department of Biostatistics of the Harvard School of Public Health, with Judith Lok. Her research develops causal inference methods with applications in HIV/AIDS research. She has developed and applied a new version of Structural Nested Mean Models (SNMMs) to investigate the effect of treatment on a time-varying outcome in observational studies. SNMMs lead to a large class of unbiased estimating equations for the parameters. This leads to interesting opportunities, for example for optimal estimation and for testing model fit. There are several open methodological problems in this area that she would like you to address. Judith wants to use the AIEDRP database of HIV positive patients with acute and early infection to illustrate the new methods.

Qualifications:
PhD in biostatistics, statistics, or mathematical statistics. Dr. Lok is looking for a postdoc with special interest, and preferably experience, in causal inference statistical methods development. Experience programming estimators is required. Experience with HIV/AIDS is not required. Additional Information: Please email a cover letter describing research interests and experience along with a CV and names of three references to Judith Lok: jlok@hsph.harvard.edu or mail to: Postdoc Search, c/o Vickie Beaulieu, Department of Biostatistics, Harvard School of Public Health, 655 Huntington Avenue, Building 2, 4th floor, Boston, MA 02115; vbeaulie@hsph.harvard.edu. In your application, please reference “Causal Inference Postdoc with Judith Lok”. Please email questions about the position to Vickie Beaulieu AND Judith Lok. An interview, possibly with Skype, is part of the selection procedure.

Harvard University seeks to find, develop, promote, and retain the world’s best scholars. Harvard is an Affirmative Action/Equal Opportunity Employer. Applications from women and minority candidates are strongly encouraged.

Information on resources for career development and work/life balance at HSPH can be found at: http://hsph.me/resources-career-development-and-work-life-balance.

Webinar

Building Towards Big Data and Data Science: Third in the Guidelines for Undergraduate Statistics Programs Webinar Series

The American Statistical Association endorses the value of undergraduate programs in statistical science, both for statistical science majors and for students in other majors seeking a minor or concentration. Guidelines for such programs were promulgated in 2000, and a new workgroup is working to update them.

To help gather input and identify issues and areas for discussion, the workgroup has organized a series of webinars to focus on different issues.

Building Towards Big Data and Data Science
Monday, November 18th, 6:00-6:45pm Eastern Time

Description: Undergraduate Statistics majors and minors will be entering an increasingly data-centric world upon graduation. What new skills and capacities will they need to succeed in this environment? How do we train the current generation of faculty to be able to teach them? In this webinar, data scientists and faculty will work to enunciate key aspects which need to be included in our programs.
Panelists:
Bonnie Ray, Director, Optimization Research, Business Analytics and Math Sciences, IBM
Michael Rappa, Executive Director of the Institute for Advanced Analytics and Distinguished University Professor, NC State
Chris Volinsky, Director, Statistics Research Department, AT&T Labs-Research
Hilary Parker, Data Analyst, Etsy

Moderator:
Jo Hardin, Pomona College
The webinar is free to attend, and a recording will be made available after the event. To sign up, please email Rebecca Nichols (rebecca@amstat.org).
More information about the existing curriculum guidelines as well as a survey can be found at: 
http://www.amstat.org/education/curriculumguidelines.cfm