Digest of Items of Interest to the Caucus of Academic Reps - Week of May 31, 2013

General information about funding sources is always available at http://www.amstat.org/careers/efs.cfm

Funding opportunities:

- Data-Intensive Research to Improve Teaching and Learning - An Ideas Lab to Foster Transformative Approaches to Teaching and Learning

Position announcements:

- William H. Kruskal Instructorship, University of Chicago

Other opportunities:

- Most recent issue of the International Year of Statistics

Funding opportunities

Data-Intensive Research to Improve Teaching and Learning - An Ideas Lab to Foster Transformative Approaches to Teaching and Learning

The goal of this activity is to foster novel, transformative, multidisciplinary approaches that address the use of large data sets to create actionable knowledge for improving STEM teaching and learning environments (formal and informal) in the medium term, and to revolutionize learning in the longer term. These approaches will involve the work of learning scientists, STEM disciplinary experts, computer scientists, statisticians, database experts and educational researchers who design and study learning environments. Among the potential benefits of integrating approaches from these disciplines are improving student learning and engagement, optimizing personalized instruction, and supporting rapid decision making to help educators respond more effectively to the learning needs of individuals and groups of learners in multiple settings. These approaches may be risky but should have the potential to rapidly advance the field. The scope of this activity does not include infrastructure development focused on data base design and development for education domains. The new approaches envisioned in this solicitation will require the generation and use of data that range from micro-level data on individual learners, to data from online learning sources (such as massively open online courses), to meso-level data from the classroom that provide information to students and teachers about how learning is progressing, to macro-level data such as school, district, state, and national data, including data from federal science and policy agencies. Participants in the Ideas Lab, selected through an open application process, will engage in an intensive five-day residential workshop, the development of multidisciplinary collaborative proposals through a real-time and iterative review process, and, for the participant teams invited to submit full proposals, the subsequent submission of full proposals.
Position announcements

William H. Kruskal Instructorship, University of Chicago

The Department of Statistics at the University of Chicago has two openings for the William H. Kruskal Instructorship. We seek recent or expected Ph.D. graduates doing advanced research with a connection to statistical methodology and computation, preferably in relation with a scientific application. It is expected that all successful applicants will engage in teaching two undergraduate Statistics courses and possibly a graduate-level course in their field of interest. While not all applicants need be specifically trained in statistics, they must have doctorates in statistics or some field of mathematics or science where statistical concepts or methods play an important role. A demonstrated research excellence is essential, and research interests related to those of faculty in the Department of Statistics (www.stat.uchicago.edu/people/faculty) or other faculty involved in the Computational and Applied Mathematics Initiative (www.stat.uchicago.edu/cami) is preferred. The position is for two years.

Applicants must apply online at the University of Chicago Academic Jobs website at http://tinyurl.com/c7g52bq, and must upload a cover letter and CV. Three letters of reference will be required. Referral letter submission information will be provided during the application process. In addition, up to three relevant research publications may also be sent to the Search Committee.

Application screening will begin no sooner than June 1, 2013, and will continue until all positions are filled or the search is closed in May 2014. Doctorate must be in hand prior to position start date.

Further inquiry and any requested information other than that uploaded should be sent to the Search Committee at search@galton.uchicago.edu or to Search Committee, Department of Statistics, Eck 108, University of Chicago, 5734 S. University Avenue, Chicago, IL 60637.

The University of Chicago is an Affirmative Action / Equal Opportunity Employer.

Other opportunities

The May issue of the Statistics2013 newsletter, featuring reports from participants in the United States and abroad, is now online.