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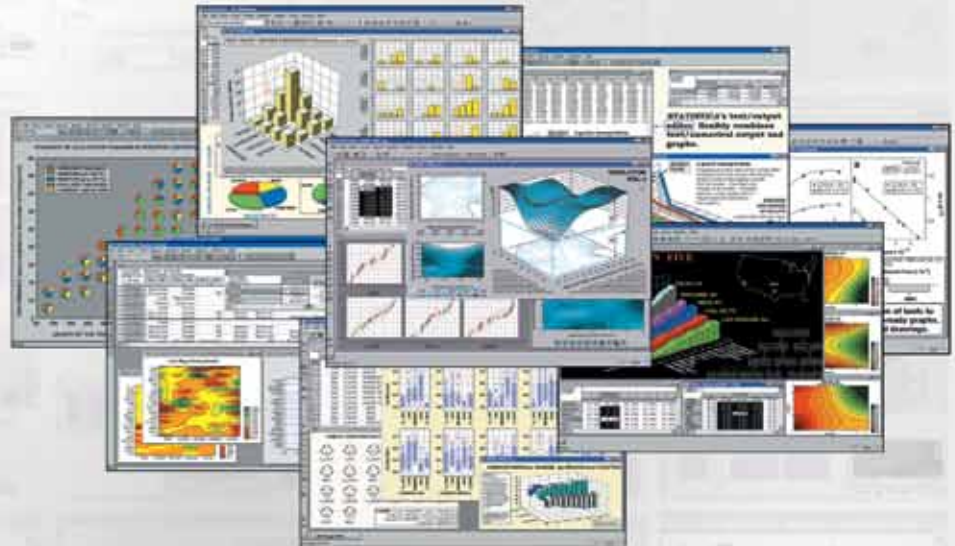
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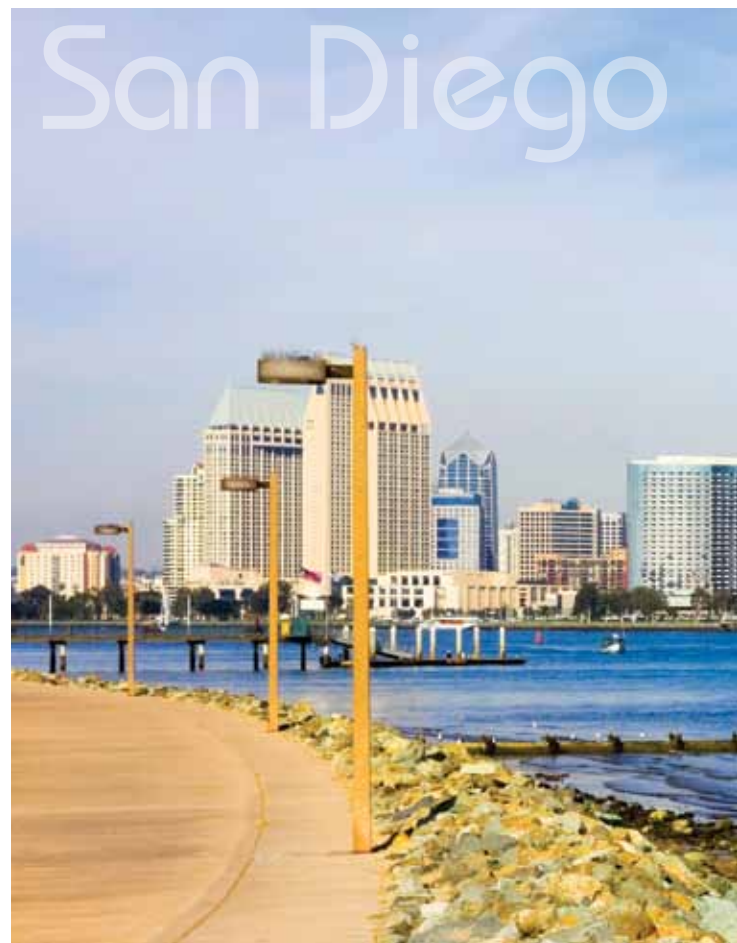
features

- 3 President's Corner
- 4 ASA Fellowship and Research Program
- 5 Academic Salary Survey
- 9 ASA-SIAM: Authors Praise Series Publishing Process
- 10 Find an Internship
- 23 Meet NASS Administrator Cynthia Clark

departments

26 meetings

JSM 2012: Call for Contributed Abstracts



Online Articles

The following articles in this issue can be found online at <http://magazine.amstat.org>.

Cross Validated is a free, community-driven question-and-answer site for statisticians, data analysts, data miners, and data visualization experts. It synthesizes aspects of wikis, blogs, forums, and Digg/Reddit in a way that allows for the best quality answers and interface for exchanging knowledge. Rob Hyndman spoke with Sandro Saitta about the website as a statistics resource for professionals and students, and you can read the interview at <http://magazine.amstat.org>.

"Experimental Design for Packet Communication Networks" is featured in the November issue of **Technometrics**. Read the highlights at <http://magazine.amstat.org>.

In People News this month, College of Charleston President **P. George Benson** was named the recipient of the 2011 Milliken Medal of Quality from the South Carolina Quality Forum. Also, **Karl Peace** was honored with a reception on the occasion of his 70th birthday, July 28, and in honor of his contributions to Georgia Southern University. Visit <http://magazine.amstat.org/blog/category/membernews/amstatpeople> for details.

Visit the **ASA Calendar of Events**, an online database of statistical happenings across the globe. Announcements are accepted from educational and not-for-profit organizations. To view the complete list of statistics meetings and workshops, visit www.amstat.org/datetime.

Many of the **sections and committees** sponsor events and host workshops and meetings. For details about these events and other news, make sure you visit our section, chapter, and committee pages online at <http://magazine.amstat.org>.

member news

- 28 People News
- 31 Awards and Deadlines
- 32 Section • Chapter • Committee News
- 34 Professional Opportunities



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PAGE 10



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The Twilight Zone

As I write this (at the beginning of November), it is the twilight of my presidential year. It has been (and will continue to be) an exciting and awesome year. Tomorrow begins the People to People trip to Israel, where we have a fascinating professional itinerary, as well as a social one. We will visit university statistics departments in Tel Aviv and Jerusalem, the Israeli Census Bureau, a large pharmaceutical company, and a smaller consulting company. I am sure we will make professional connections that we will maintain throughout the coming years.

In December, I will visit Colombo, Sri Lanka, to give a plenary address at the Sri Lankan Statistical Association meeting. I also will give a talk at the University of Colombo, which maintains the only statistics department in Sri Lanka. I am looking forward to this opportunity to meet even more statisticians in a country I never imagined visiting. And I know this year I will not be having a white Christmas!

Here in the United States, I also have had the opportunity to speak to a number of chapters and attend several meetings.

Last month, I attended the Fall Technical Conference in Kansas City, Missouri, and a career day at Grand Valley State University. The Fall Technical Conference was fascinating, in that the talks were in areas outside of my areas of expertise, reminding me that statistics is, indeed, an all-encompassing discipline and that you are never too senior to broaden your horizons. The career day gave me a wonderful opportunity to meet up-and-coming members of our profession. In October, I visited the San Francisco Bay Area Chapter. Everyone has been very welcoming and hospitable.

Aside from traveling, the biggest adventure of being ASA president is the talk at the Joint Statistical Meetings. I confess I spent a lot of time preparing this talk and relating it to the meeting theme and a lot of energy working up to the presentation. If you missed it and are interested, it can be found at www.amstat.org/meetings/jsm/2011/webcasts and also will be published in the December issue of *JASA*.

Of the three initiatives I proposed for the year, two have been completed: the Public Awareness Initiative, the 2011 "Promoting



Nancy Geller

ASA Fellowship and Research Program

The American Statistical Association, with support from the National Science Foundation (NSF), has partnered with several national agencies to provide research fellowships to individuals who have an academically recognized research record and considerable expertise in their area of proposed research.

The ASA/NSF/BLS Research Fellowship Program seeks fellows to conduct research in residence at the Bureau of Labor Statistics (BLS), use BLS data and facilities, and interact with BLS staff. There is more information available at www.bls.gov/osmr/asa_nsf_bls_fellowship_info.htm. Applications for fellowships must be emailed by January 27, 2012.

the Practice and Profession of Statistics” video competition, and the Organizational Efficiency Initiative, which prepared guidance for the functioning of the Leadership Support Council (LSC) based on the first year’s experience. If you haven’t watched the competition videos, they are great fun and may be found at www.amstat.org/youtube. The LSC guidance will help future president-elects organize the many tasks they need to oversee.

The third initiative, an education initiative, succeeded in drafting a request for proposals for a Summer Institute in Statistics (SIS) for undergraduates. However, implementing this proposal requires fund raising and preparedness to administer such summer programs. I will contin-

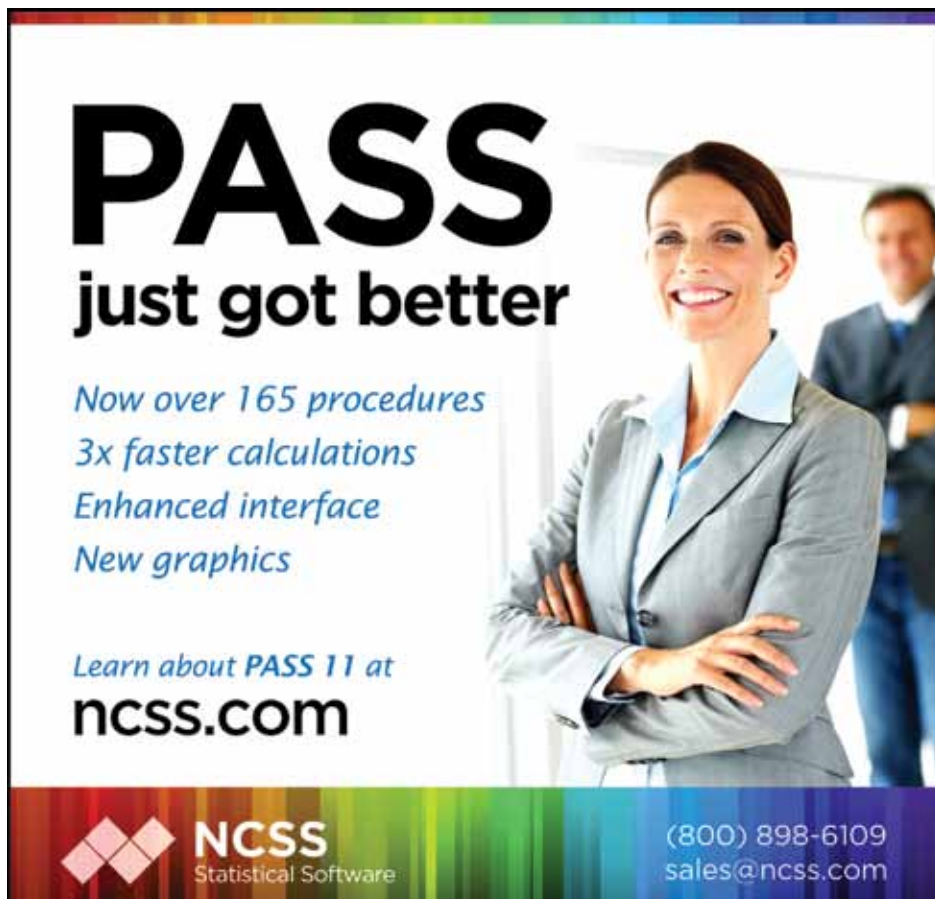
ue to work with the committee in 2012 in the hopes that we see this project come to fruition.

Other accomplishments of the year include sending a letter to the UN Special Rapporteur about the promotion and protection of the right to freedom of opinion and expression concerning the prosecution of statisticians who express disagreement with the modest inflation statistics the government alleges. Several statistical organizations, including the International Statistics Institute, have sent letters in support of the ASA letter. The ASA letter may be found at www.amstat.org/outreach/pdfs/ALettertoUNSpecialRapporteur8-12-11-1.pdf. This publicity has resulted in editorials supporting our views in both the *Washington Post* and *The New York Times*.

Reviewing the year brings to mind that the ASA recently suffered a great loss—the death of our education director, Martha Aliaga. A memorial appears in this issue on Page 28. An Argentine native, Martha was a huge contributor to the ASA. Both the 2011 education initiative and our action in Argentina were greatly influenced by her quiet touch.

In closing, I would like to thank the board of directors, the ASA staff, and all the active members for their help this year. Soon I will (symbolically) pass the presidential gavel to Bob Rodriguez and I am sure he will do a great job! His presidential columns will begin next month, and I look forward to reading them. I wish you all happy holidays and a wonderful 2012.

Nancy L. Geller



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Academic Salary Survey

Keith Crank, ASA Research and Graduate Education Manager

Table 1 provides salary information for full-time statistics faculty, separated according to the type of institution. Table 2 provides salary information based on type of department. (Biostatistics faculty are not included in either

table.) All the quantiles are based on nine-month salaries and rounded to the nearest \$100. Information about biostatistics faculty and nonfaculty statisticians and biostatisticians in academic institutions will be provided in a future issue.

Table 1—2011–2012 Salaries of Academic Statisticians Based on Type of Institution

Institution Type	Title	Years in Rank	Count	1st Quartile	Median	3rd Quartile	90th Percentile	
College	Assistant Professor	0 or more	19	\$ 51,800	\$ 58,500	\$ 65,000	NA	
	Associate Professor	0 or more	21	\$ 61,300	\$ 66,000	\$ 74,500	\$ 90,300	
	Professor	0 or more	28	\$ 70,100	\$ 81,700	\$ 94,900	\$ 116,100	
Research University	Assistant Professor	0 to 1	29	\$ 75,000	\$ 80,000	\$ 83,000	\$ 105,000	
		2	26	\$ 67,700	\$ 80,000	\$ 86,000	\$ 92,800	
		3	33	\$ 68,500	\$ 78,000	\$ 81,300	\$ 88,100	
		4	21	\$ 71,800	\$ 75,100	\$ 79,600	\$ 82,400	
		5	35	\$ 71,000	\$ 77,500	\$ 80,000	\$ 85,700	
		6 or more	14	\$ 61,500	\$ 74,500	\$ 83,100	NA	
	Associate Professor	0 to 1	41	\$ 78,000	\$ 84,000	\$ 89,300	\$ 96,000	
		2 to 3	46	\$ 78,400	\$ 85,800	\$ 94,200	\$ 115,000	
		4 to 5	33	\$ 76,300	\$ 90,200	\$ 94,500	\$ 101,500	
		6 to 8	21	\$ 71,400	\$ 83,900	\$ 90,100	\$ 98,000	
		9 to 12	22	\$ 67,500	\$ 76,900	\$ 86,300	\$ 94,500	
		13 or more	24	\$ 65,900	\$ 76,700	\$ 88,600	\$ 101,100	
		Professor	0 to 1	19	\$ 93,700	\$ 106,100	\$ 127,200	NA
			2 to 3	26	\$ 87,900	\$ 96,800	\$ 118,100	\$ 150,500
			4 to 5	30	\$ 90,500	\$ 112,000	\$ 128,000	\$ 139,500
			6 to 7	29	\$ 97,200	\$ 124,000	\$ 141,300	\$ 168,000
			8 to 9	23	\$ 110,100	\$ 125,000	\$ 164,800	\$ 170,100
			10 to 14	58	\$ 96,800	\$ 121,300	\$ 155,000	\$ 169,600
			15 to 19	55	\$ 104,600	\$ 131,100	\$ 155,300	\$ 172,400
			20 to 24	54	\$ 106,300	\$ 128,100	\$ 153,800	\$ 185,000
25 to 30	32	\$ 108,300	\$ 128,400	\$ 140,400	\$ 160,700			
31 or more	35	\$ 138,800	\$ 154,200	\$ 175,000	\$ 209,800			
Other	0 or more	30	\$ 45,000	\$ 58,200	\$ 76,500	\$ 134,200		
All	Instructor	0 or more	54	\$ 42,500	\$ 52,400	\$ 62,600	\$ 72,000	

Table 2—2011–2012 Salaries of Academic Statisticians Based on Type of Department

Institution Type	Title	Years in Rank	Count	1st Quartile	Median	3rd Quartile	90th Percentile
Statistics Department	Assistant Professor	0 to 1	24	\$ 78,800	\$ 80,300	\$ 84,000	\$105,000
		2	18	\$ 69,400	\$ 80,000	\$ 88,600	NA
		3	27	\$ 75,000	\$ 78,900	\$ 82,100	\$ 89,000
		4	21	\$ 71,800	\$ 75,100	\$ 79,600	\$ 82,400
		5	28	\$ 74,000	\$ 78,000	\$ 81,200	\$ 87,100
		6 or more	11	\$ 66,000	\$ 78,100	\$ 84,000	NA
	Associate Professor	0 to 1	35	\$ 80,200	\$ 84,600	\$ 93,500	\$ 98,000
		2 to 3	39	\$ 80,800	\$ 87,100	\$ 95,100	\$118,500
		4 to 5	29	\$ 76,500	\$ 90,800	\$ 94,500	\$101,500
		6 to 9	23	\$ 77,400	\$ 85,000	\$ 92,000	\$100,000
10 or more		28	\$ 67,500	\$ 77,600	\$ 92,800	\$102,400	
Professor	0 to 1	20	\$ 94,100	\$ 104,000	\$ 124,400	\$173,600	
	2 to 5	44	\$ 96,800	\$ 112,000	\$ 126,400	\$140,100	
	6 to 10	59	\$ 110,100	\$ 131,900	\$ 157,000	\$178,600	
	11 to 15	43	\$ 101,600	\$ 128,000	\$ 155,000	\$164,800	
	16 to 20	54	\$ 114,000	\$ 134,200	\$ 164,000	\$185,000	
	21 to 25	45	\$ 111,800	\$ 131,600	\$ 156,000	\$222,000	
	26 or more	46	\$ 126,800	\$ 144,400	\$ 172,600	\$209,800	
Instructor	0 or more	46	\$ 42,000	\$ 53,900	\$ 63,700	\$ 74,300	
Other	0 or more	30	\$ 45,000	\$ 58,200	\$ 76,500	\$134,200	
Not a statistics department (but offering a degree in statistics)	Assistant Professor	0 to 2	20	\$ 56,900	\$ 62,500	\$ 70,900	\$ 79,900
		3 or more	25	\$ 58,500	\$ 68,500	\$ 73,100	\$ 78,400
	Associate Professor	0 to 5	23	\$ 64,100	\$ 72,000	\$ 84,100	\$ 89,800
		6 or more	19	\$ 60,600	\$ 71,400	\$ 74,500	NA
	Professor	0 to 5	17	\$ 73,500	\$ 85,000	\$ 91,500	NA
6 to 10		10	\$ 82,000	\$ 98,400	\$114,800	NA	
11 to 20		19	\$ 83,200	\$ 93,500	\$106,200	NA	
21 or more		18	\$104,300	\$122,700	\$145,800	NA	
Instructor or Other	0 or more	5	NA	\$ 52,000	NA	NA	
In a department that does not offer a degree in statistics or biostatistics	Assistant Professor	0 or more	3	NA	\$ 59,800	NA	NA
	Associate Professor	0 or more	12	\$ 58,800	\$ 64,500	\$ 82,200	NA
	Professor	0 or more	14	\$ 66,500	\$ 73,900	\$ 86,800	NA

Table 3—2011–2012 Salaries of Full-Time Statistics Faculty in Statistics Departments, by Gender

Institution Type	Title	Years in Rank	Gender	Count	1st Quartile	Median	3rd Quartile	
Statistics Department	Assistant Professor	0 to 1	Male	15	\$ 79,500	\$ 80,000	\$ 85,000	
			Female	9	\$ 78,000	\$ 80,500	\$ 83,100	
		2	Male	13	\$ 75,000	\$ 80,000	\$ 88,600	
			Female	5	NA	\$ 80,000	NA	
		3	Male	20	\$ 72,200	\$ 78,500	\$ 81,600	
			Female	7	NA	\$ 79,200	NA	
		4	Male	12	\$ 71,400	\$ 75,100	\$ 79,400	
			Female	9	\$ 73,100	\$ 75,200	\$ 82,400	
		5	Male	14	\$ 74,000	\$ 78,000	\$ 82,300	
			Female	14	\$ 72,400	\$ 77,900	\$ 80,000	
		6 or more	Male	5	NA	\$ 71,600	NA	
			Female	6	NA	\$ 79,800	NA	
	Associate Professor	0 to 1	Male	21	\$ 80,200	\$ 85,500	\$ 92,400	
			Female	14	\$ 77,700	\$ 83,800	\$ 94,500	
		2 to 3	Male	28	\$ 82,000	\$ 87,600	\$ 99,800	
			Female	11	\$ 77,500	\$ 85,400	\$ 91,100	
		4 to 5	Male	21	\$ 76,500	\$ 91,700	\$ 95,700	
			Female	8	\$ 79,600	\$ 87,300	\$ 92,600	
		6 to 9	Male	14	\$ 81,200	\$ 84,500	\$ 87,800	
			Female	9	\$ 70,700	\$ 86,200	\$ 92,000	
		10 or more	Male	20	\$ 70,800	\$ 82,400	\$ 95,400	
			Female	8	\$ 64,000	\$ 67,500	\$ 78,700	
		Professor	0 to 1	Male	16	\$ 93,300	\$101,300	\$124,400
				Female	4	NA	\$106,200	NA
2 to 5	Male		40	\$ 97,100	\$112,000	\$123,900		
	Female		4	NA	\$113,900	NA		
6 to 10	Male		50	\$100,800	\$125,200	\$154,200		
	Female		9	\$132,000	\$141,700	\$170,000		
11 to 15	Male		35	\$101,600	\$128,000	\$151,900		
	Female		8	\$101,900	\$130,500	\$155,000		
16 to 20	Male		49	\$112,800	\$133,200	\$159,500		
	Female		5	NA	\$152,700	NA		
21 to 25	Male		43	\$114,500	\$134,200	\$158,400		
	Female		2	NA	NA	NA		
26 or more	Male	43	\$122,600	\$142,800	\$175,000			
	Female	3	NA	NA	NA			

We continue to obtain gender information on the salary survey, as seen in Table 3. For faculty in statistics departments, we reproduce Table 2 for

male and female faculty. In some cases, the small numbers prevent us from providing all the values. ■



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11/11



FIND an INTERNSHIP

Every year, a list of internship opportunities for students is published in *Amstat News*. If your organization would like to include an internship opportunity on our website, please complete the form at www.amstat.org/education/internships.cfm. Interested students will send a letter of inquiry and résumé directly to the contact and location you list. Contact Rebecca Nichols at (703) 684-1221, Ext. 1877, or educinfo@amstat.org with questions.

AAAS Mass Media Science and Engineering Fellowship Program Nationwide

Number of Positions: 10–12

Type of Student: Undergraduate seniors, graduate, and post-graduate within one year following graduation and/or thesis defense

Deadline: January 15, 2012

Fellows work for 10 weeks during the summer at mass media sites nationwide, including the *Los Angeles Times*, *Chicago Tribune*, and NPR. Fellows use their academic training in the sciences as they research, write, and report today's headlines, sharpening their ability to communicate complex scientific and technical issues to the public.

To be eligible, students must be enrolled as college or university students. An applicant's field of study must be in the natural, physical, health, engineering, computer or social sciences, or mathematics. Students enrolled in English, journalism, science journalism, or other nontechnical fields are not eligible.

\$4,500 stipend plus travel expenses. Visit www.aaas.org/programs/education/MassMedia for an application and more information. All candidates must complete an application; individuals who submit only a résumé will not be considered.

Contact: Rahman A. Culver, Manager, AAAS Mass Media Fellows Program; (202) 326-6645; Fax: (202) 371-9849; raculver@aaas.org

Abbott Abbott Park, Illinois

Number of Positions: Multiple

Type of Student: MS or PhD in statistics or biostatistics

Deadline: February 15, 2012

The Clinical Statistics Department within Global Pharmaceutical Research and Development at Abbott anticipates having internship positions available for the summer of 2012. Internships will begin in May/June and are typically 10–12 weeks in duration, with housing provided to eligible applicants. During this time, you will be provided with practical “hands-on” experience and given an opportunity to build your understanding of the pharmaceutical industry and of Abbott. The successful candidate will be assigned specific projects in support of one of our global project teams and work under the guidance of a senior statistician (mentor) to perform statistical analyses of data from clinical trials and/or conduct statistical research in areas of interest to the Clinical Statistics Department. The successful candidate also may have the opportunity to participate in statistical seminars and workshops and, at the conclusion of the internship, is expected to give a presentation summarizing some aspect of their work while at Abbott.

Applicants must be enrolled in a graduate-level curriculum leading to an MS or PhD in statistics or biostatistics, have completed at least one full year of study, be in good academic standing within their

graduate program and overall at their university, and continue to be enrolled in graduate school for at least one semester following the potential internship. In addition, applicants must demonstrate excellent communication, teamwork, and problem-solving skills.

Contact: www.abbottcareers.com. Search by keyword 100402BR.

Amgen Inc.
Thousand Oaks and San Francisco, California;
Seattle, Washington

Number of Positions: Multiple

Type of Student: PhD

Deadline: February 17, 2012

Interns will work closely with a senior-level statistician on topics related to the design and analysis of clinical trials and/or nonclinical research. Amgen research and development uses science and innovation to dramatically improve people's lives in various therapeutic areas, including oncology, nephrology, bone metabolism, and inflammation. At the conclusion of the internship program, interns will give a presentation summarizing their work. Applicants must be a current PhD candidate. They should either be in at least their third year of training in a statistics, biostatistics, or mathematics/statistics program or have a master's degree in a mathematically or statistically related area and be in at least their first year of PhD training in a biostatistics, statistics, or mathematics/statistics program. Additionally, proficiency in SAS or S-Plus on either a UNIX or NT platform is preferred.

As an EEO/AA M/F/D/V employer, Amgen values and encourages diversity in the workplace. To create a profile and apply, visit www.amgen.com, click on the Careers link, select Job search, select Search openings, and then enter "12546BR" in the Key Word search field. You also may search by selecting Career Category > College Job.

Contact: Barbara Burgess, University Relations Department, One Amgen Center Drive, 19-1-A, Thousand Oaks, CA 91320; (805) 447-5488; Fax: (805) 499-6843; burgessb@amgen.com

Arkansas Children's Hospital
Department of Pediatrics, University of Arkansas
for Medical Sciences Little Rock, Arkansas

Number of Positions: 1-2

Type of Student: Graduate

Deadline: January 31, 2012

Summer intern will work with biostatisticians and clinical investigators to provide statistical expertise in the design, evaluation, and analysis of research

studies. Arkansas Children's Hospital (ACH) is one of the largest pediatric health care centers in the nation and the only facility in Arkansas dedicated exclusively to children. Whether an applicant will be offered a position will depend on ACH's need and funding as well as the applicant's qualifications. Ideal candidates should be proficient in SAS and R. Previous research experience is highly valuable, but is not required. To apply, send an undergraduate and graduate transcript (request for undergraduate transcripts may be waived for international students only), résumé, and cover letter to the contact below. For more information about the department of pediatrics, visit www.arpediatrics.org.

Contact: Hannah Feild, Arkansas Children's Hospital Department of Pediatrics, University of Arkansas for Medical Sciences College of Medicine, 1 Children's Way, Slot 512-43, Little Rock, AR 72202; (501) 364-6631; Fax: (501) 364-1431. Emailed applications will not be reviewed. Questions regarding the position can be emailed to hcfeld@uams.edu.

AT&T Labs Statistics Research
Florham Park, New Jersey

Number of Positions: 1-3

Type of Student: PhD

Deadline: January 15, 2012

AT&T Labs statistics researchers are involved in many large-scale data analysis projects centered on our data feeds of phone, wireless, TV, and Internet



data. Projects can involve modeling using forecasting, time series, spatial statistics, text mining, and/or Bayesian analysis. For more information, see www.research.att.com/~stat/index.php. To apply, visit www.research.att.com/internships.

Contact: Chris Volinsky, (973) 360-8644; Fax: (973) 360-8077; volinsky@research.att.com.

Axio Research LLC **Seattle, Washington**

Number of Positions: 2

Type of Student: Bachelor's degree in math, statistics, or computer science or bachelor's degree in another field with one year of experience or training in statistical programming. Currently enrolled in a graduate degree program, preferably biostatistics candidate. Master's-level candidate preferred.

Deadline: April 30, 2012

Provides SAS testing, statistical programming, and analysis support for research projects. Will generate SAS programs to analyze and produce reports based on clinical data. May perform statistical analyses (including preparations for data monitoring committee reports, integrated summaries of efficacy or safety, final study reports, and publications). Previous experience in this or a similar position preferred, creativity, ability to take initiative, ability to balance multiple tasks, ability to work with others, good oral and written communication skills.

Contact: Anita Richard, Human Resources Director, Axio Research, LLC, 2601 – 4th Ave., Suite 200, Seattle, WA 98121; (206) 547-2829; Fax: (206) 547-4671; www.axioresearch.com; anitar@axioresearch.com

Boehringer Ingelheim **Ridgefield, Connecticut**

Number of Positions: Several

Type of Student: PhD candidates who have completed at least two years of study

Boehringer Ingelheim seeks several summer interns, available in May/June for 12–14 weeks. Interns will build understanding of pharmaceutical industry by supporting clinical trial/project teams under the guidance of experienced statisticians. This includes implementation of statistical analyses of clinical trial data/document writing/QC/literature review. Ideal candidates will have a PhD completed 2 years of study and have excellent communication/problem-solving skills.

Contact: To apply, visit http://us.boehringer-ingelheim.com/career/job_search.html

Bristol-Myers Squibb **Princeton and Hopewell, New Jersey;** **Wallingford, Connecticut**

Number of Positions: Multiple

Type of Student: PhD candidates in statistics or biostatistics

Deadline: None

Full-time internships are available in the summer and will last 10–12 weeks. Part-time internships are available during the school year and may continue for extended periods. Successful candidates will work closely with a senior-level statistician on topics related to the design and analysis of clinical trials and/or nonclinical research. To be considered, you must have completed at least two years of course work and be working on your dissertation toward a PhD in statistics or biostatistics. Successful candidates must have effective oral and written communication skills and good working knowledge of SAS and/or R. To apply, please send unofficial graduate transcripts, résumé, and cover letter to the contact below.

Contact: Rose Elcsics, Bristol-Myers Squibb, Mail Stop 2FW-310, 5 Research Pkwy., Wallingford, CT 06492; Fax: (203) 677-7279; rose.elcsics@bms.com

Capital One **Richmond and McLean, Virginia; Plano, Texas**

Number of Positions: 6

Type of Student: Candidates who will be completing their MS or PhD in December 2012 through Summer 2013

Deadline: April 2012

The Capital One statistics summer internship program will provide you with the chance to see how your skills and education translate into solving business problems in the financial services industry. As a statistician intern, you will have the opportunity to work closely with members of our 100+ statistician community to solve various financial services problems using cutting-edge statistical techniques. The internship is a 10-week program, which will run from early June through mid-August. We are flexible on the dates of the program.

Responsibilities may include analyzing data, building models, and assessing their quality; model monitoring and supporting business decisions; training to develop skills for the next level; ad hoc statistical analyses on designed tests; and identifying opportunities to apply statistics to improve business performance.

Basic qualifications include graduating within 12–14 months with an MS in statistics or economics; proficiency with SAS or similar statistical programming package; bachelor's degree in math, engineering, economics, or statistics.

Preferred qualifications include obtaining a PhD in statistics or economics within 12–14 months, one year of experience using statistical tools to analyze data or conduct experimental design, one year experience in statistical modeling, one year experience in data analysis and reporting, and one year experience in presentation to nonstatistical audience.

This position is only open to U.S. citizens or permanent residents.

Contact: Jason Bratton, jason.bratton@capitalone.com

Department of Statistics and Data, Medical and Professional Affairs New York City Health and Hospitals Corporation New York, New York

Number of Positions: 14

Type of Student: Graduate students in statistics, epidemiology, biostatistics, or related fields. We will consider nursing, pharmacy, medical, or undergraduate students with interest in health care statistics.

Deadline: March 1 for internships to start June 1; we will consider later applications for internships with later start dates

This internship involves applied statistics. Most of our work is done with SAS, with a small amount done with SQL, Oracle-generated SQL queries, or Excel. We have large databases; HHC sees around 1.4 million patients/year and hundreds of millions of lab tests/year. We have large quantities of “dirty” data; our interns spend most of their time writing code to “clean” and organize the data prior to analysis. We make extensive use of SAS functions to deal with misspellings, transposed digits, typographic areas, and intentional misrepresentation of identity. Roughly 10% of the intern’s time is spent on analysis. Most commonly, our modeling is done with straightforward contingency tables, plots, mixed models, multivariate nonlinear regression, and ARIMA.

The internship includes a didactic class that begins in early June. Due to budget issues, it is unlikely we will be able to pay interns. Almost all the graduates of our internship program have gone on to jobs in health care—most in the insurance industry, some in government or nonprofit agencies. While research is not the primary focus of our organization, some of the research is presented or published at/in peer-reviewed meetings/journals.

Contact: Shunsuke Ito, HHC Room 1136, 346 Broadway, New York, NY 10013; (212) 676-0923; Fax: (212) 442-4135; Shunsuke.ito@nychhc.org or Ronald Low, ronald.low@nychhc.org; (212) 676-0929.

Dordt College Undergraduate Research Program in Statistical Genetics and Biostatistics Sioux Center, Iowa

Number of Positions: 3–5

Type of Student: Undergraduate

Deadline: January 31, 2012, but offers may be made earlier

Undergraduate students with an interest in statistical genetics and biostatistics are encouraged to apply to participate in our nationally recognized undergraduate research program in statistical genetics. Successful applicants will work with a team of undergraduate students on cutting-edge problems in statistical genetics leading to publication in peer-reviewed journals and presentations at regional and national conferences. Visit www.dordt.edu/statgen for more information, a link to this year’s project descriptions, and an application. Participants will receive a \$3,200 stipend for the eight-week program, which runs from June 4 to July 27, 2012. Free apartment-style housing and funds for travel to/from Dordt College will be provided. Applicants must be U.S. citizens. Hiring may take place prior to the deadline, so applicants are encouraged to submit their application materials as soon as possible.

Contact: Nathan Tintle, Associate Professor of Statistics, Department of Mathematics, Statistics and Computer Science, Dordt College, 498 4th Ave. NE, Sioux Center, IA 51250; (712) 722-6264; ntintle@dordt.edu

Eli Lilly and Company Indianapolis, Indiana

Number of Positions: 4

Type of Student: PhD students with two years completed graduate work

Deadline: January 31, 2012

The Global Statistical Sciences Division of Eli Lilly and Company anticipates having several internship positions available the summer of 2012. The internships start in either May or June and last 12 weeks. We will provide you with practical experience and give you the opportunity to build your understanding of the pharmaceutical industry and Eli Lilly and Company. An ideal candidate would have completed at least two years of graduate work. The successful candidates will be assigned specific projects to work on under the guidance of a Lilly statistician (a mentor) in one of our varied research areas.

Applicants must be enrolled in a graduate-level curriculum leading to a PhD in statistics or biostatistics. Demonstrated leadership and ability to influence; excellent communication, teamwork, and interpersonal skills; strong problemsolving skills; creativity and innovation; and self-management skills are preferred.

Contact: To apply, visit www.lilly.com/careers.
Javier Ramirez, Global Recruiting and Staffing,
Ramirez_javier@lilly.com

ETS Summer Internship Program in Research for Graduate Students Princeton, New Jersey

Number of Positions: Multiple

Type of Student: PhD

Deadline: February 1, 2012

Selected interns participate in research projects under the guidance of ETS mentors. Areas of emphasis include educational measurement and psychometrics, validity, natural language processing and speech technologies, cognitive psychology, learning theory, linguistics and computational linguistics, teaching and classroom research, statistics, and international large-scale assessments. Interns also participate in seminars and workshops on a variety of topics. Each intern is required to give a brief presentation about their project at the conclusion of the internship.

Graduate students who are currently enrolled in a full-time doctoral program in one of the areas listed above and who have completed a minimum of two years of coursework toward their PhD or EdD prior to the program start date are eligible to apply.

For more information about the program and instructions for applying, visit www.ets.org/research/fellowships. Contact us at internfellowships@ets.org or (609) 734-5543.

Office of Biostatistics, CDER, FDA Silver Spring, Maryland

Number of Positions: 10

Type of Student: Advanced PhD students

Deadline: April 30, 2012

The Office of Biostatistics (OB), CDER, FDA plans to hire 5–10 advanced PhD graduate students—mostly from the universities in the Washington, DC, area—in biostatistics/statistics as interns for summer 2012, from June through August, to work on research projects on topics relevant to OB science needs (e.g., missing data, noninferiority trials, multiple endpoints, adaptive designs, meta-analysis, and data-mining) involving the development of statistical methods, software tools, and new drug application databases for the analyses of pre-clinical and clinical (pre- and post-market) data.

Contact: Send CV and cover letter to Ram Tiwari, Associate Director, OB/CDER/FDA, at ram.tiwari@fda.hhs.gov.

Genentech, Inc. South San Francisco, California

Number of Positions: 4–6

Type of Student: Graduate, pursuing PhD in statistics, biostatistics, or related field

Deadline: January 31, 2012, but offers may be made earlier

Genentech is a leading biotechnology company that discovers, develops, manufactures, and commercializes biotherapeutics for patients with significant unmet medical needs. For more information on Genentech, see www.gene.com. Our biostatistics summer interns work for 10–12 weeks under the supervision of experienced biostatisticians on theoretical or applied problems with direct relevance to ongoing clinical or nonclinical drug development research in oncology, immunology, ophthalmology, and virology. Specific topics range from problems in genomics and, more generally, translational research to late-stage clinical trials and post-marketing evaluations. At the end of his/her internship, each student gives a department-wide presentation on their research topic. It is not uncommon for an intern to summarize their work in a peer-reviewed publication.

Applicants must be at least 18 years old and must be current graduate students pursuing a PhD degree in statistics or biostatistics who have completed at least one year of graduate work by May 2012 and who will be returning to school in the fall of 2012. The applicant must be legally authorized to work in the United States. In addition, applicants should have a good working knowledge of R, S-Plus, or SAS and have good communication skills.

Contact: Please send CV, personal statement of interest, and a letter of recommendation to gne2012@gene.com.

GlaxoSmithKline King of Prussia, Pennsylvania

Number of Positions: 3

Type of Student: Graduate student in statistics or biostatistics

Deadline: October for Spring Term/January for Fall Term

Students will work with pharmaceutical industry statisticians on experimental design and data analysis projects in a variety of drug discovery and development areas. The student co-op will be analyzing clinical/preclinical data and writing SAS/R programs. The work may include exploratory research on innovative scientific and statistical methodology, simulation, setting up study designs, QC of analysis results, and writing statistical reports. Positions are targeted for six months. Knowledge of SAS and S-Plus/R is preferred.

Please check GSK job website for student position in October and January. A cover letter and résumé with a list of statistics courses taken should be submitted for the position you are interested in. Please don't send the application to the contact person; we only accept applications from online.

Contact: Kai-Fen Wang; (610) 787-5501; Fax: (610) 787-7010; kai-fen.2.wang@gsk.com

Google, Inc.

Mountain View, California; New York, New York; Seattle, Washington; Boulder, Colorado

Number of Positions: 6

Type of Student: PhD

Deadline: February 1, 2012

Get inspired to do big things during your summer internship at Google. We supply interesting problems, lots of relevant data, and a chance to work with a Google statistician and software engineers who are building the latest and greatest Google services. You provide imagination and analysis/modeling skills. The workplace is fun and friendly, but serious in regard to technical challenges and performance expectations. Applicants should be current PhD students who have completed at least one year of course requirements and comfortable in data-rich environments and have requisite computational skills, including high proficiency in R. Familiarity with scripting languages (e.g., shell, python, Perl, gawk) also may be needed.

The internship program is 12 weeks and concludes with a poster presentation.

Applicants should submit a cover letter, CV, and transcript (or letter of recommendation from a faculty member). Only electronic applications will be considered.

Contact: www.google.com/intl/en/jobs/students/tech/internships/uscanada

Joint Program in Survey Methodology (JPSM)

Washington, DC

Number of Positions: 30

Type of Student: Undergraduates who have completed their sophomore or junior year as of June 2012

Deadline: January 7, 2012, at 5 p.m. EST

Successful applicants will work at one of the federal statistical agencies in the Washington, DC, area during the summer of 2012. They will work on key indicators of unemployment, crime, consumer prices, population migration and growth, agricultural production, educational performance of young people, transportation trends, or a host of other topics. They will participate in seminars

on survey methodology and explore career options in survey research. This is a paid internship, with a salary of at least \$24,000 (full-time annual equivalent), and apartment style dormitory housing will be provided.

Contact: www.jpsm.umd.edu/fellows

Lubrizol Corporation

Wickliffe, Ohio

Number of Positions: 1–2

Type of Student: Graduate students in statistics

Deadline: February 15, 2012

The Lubrizol Corporation, a Berkshire Hathaway company, is an innovative specialty chemical company that produces and supplies technologies to improve the quality and performance of our customers' products in the global transportation, industrial, and consumer markets. Lubrizol employs more than 7,000 people worldwide and had revenues of \$5.4 billion in 2010. The R&D statistical sciences department is seeking applications for a three-month 2012 summer internship. Typical activities within the group include building predictive models, designing and analyzing experiments, performing general data analyses, and teaching courses. The group also plays a key role in the development and deployment of a global formulation prediction system known as Q.LIFE. Whereas actual intern duties will depend on the skills of the individual and current needs of the group, possible areas of involvement include data manipulation and analysis, assisting members of the department with consulting tasks, performing research into new statistical approaches, and programming of statistical algorithms. Training in regression modeling and data analysis is required, as are strong problemsolving, statistical computing, and communication skills. Applicants must be enrolled in a graduate-level statistics program. If interested, visit www.lubrizol.jobs and apply for the statistician intern position.

Contact: Debbie DeRenzo, Corporate Recruiter, 29400 Lakeland Blvd., Wickliffe, OH 44092; (440) 347-1044; Fax: (440) 347-5317; debbie.derenzo@lubrizol.com

Mayo Clinic

Rochester, Minnesota

Number of Positions: 5–7

Type of Student: PhD, graduate, undergraduate

Deadline: December 1, 2011, to February 1, 2012

The Mayo Clinic Division of Biomedical Statistics and Informatics has summer internship opportunities for undergraduate students who have completed their junior year and graduate students at all levels. Internships of six to nine months also may be offered.

Interns will work with statisticians, bioinformaticists, and clinical investigators on research projects in areas such as clinical trials, statistical genetics, and bioinformatics. Experience with SAS and/or R preferred. Whether an applicant will be offered a position will depend on their qualifications, our need and funding, and the number of applicants.

To apply, submit an unofficial transcript, résumé, and cover letter via www.mayo-clinic-jobs.com/go/Internships-and-Summer-Opportunities/255295?utm_source=catgroupwidget. Search by keyword “biostats” and our current openings will be available. For more information, review the professional opportunities at <http://mayoresearch.mayo.edu/mayoresearch/biostat>. To learn more about the Mayo Clinic, visit www.mayoclinic.org.

Contact: Colleen R. Pelkey, Department of Human Resources, Mayo Clinic, 200 First St. SW, Rochester, MN 55905; (507) 284-5048; Fax: (507) 284-1445; pelkey.colleen@mayo.edu

Merck Research Laboratories Suburban Philadelphia, Pennsylvania, and Rahway and Kenilworth, New Jersey

Number of Positions: 15

Type of Student: Graduate

Deadline: January 31, 2012

Merck & Co. Inc., established in 1891, is a global research-driven pharmaceutical company dedicated to putting patients first. Join us and experience our culture first-hand—one of strong ethics and integrity, diversified experiences, and a resounding passion for improving human health. As part of our global team, you'll have the opportunity to collaborate with talented and dedicated colleagues while developing and expanding your career.

The Biostatistics and Research Decision Sciences (BARDS) Department has internships in biometrics research (preclinical biostatistics), nonclinical statistics, clinical biostatistics, and health economics for full-time students pursuing an MS or PhD degree in statistics, biostatistics, or economics. In these internships, you will work closely with an experienced pharmaceutical industry statistician to perform statistical analysis of data from and/or conduct statistical research related to basic drug research, clinical pharmacology, drug and vaccine development, PK/PD modeling, pharmacogenomics, or health economics.

To be considered, students must have completed at least two semesters of graduate work toward an MS or PhD degree in statistics, biostatistics, or economics by May 30, 2012; be returning to school in fall 2012; have effective oral and written communication skills; and have a good working knowledge of SAS, S-Plus, and/or R.

A letter of reference from a professor is highly recommended; you may attach it in the same section of the profile as your résumé or your professor may email it to stat_intern@merck.com. If the recommendation is sent via email, the subject title of the email MUST be the applicant's name and the phrase “Reference Letter” (i.e., “John Doe – Reference Letter”).

Merck is an equal opportunity employer, M/F/D/V—proudly embracing diversity in all its manifestations.

Contact: To be considered for these internship positions, visit www.merck.com/careers/university to create a profile and submit your résumé for requisition # ADM004929. Résumés will not be accepted via email.

National Agricultural Statistics Service (NASS) Fairfax, Virginia

Number of Positions: 3

Type of Student: Graduate student (PhD preferred)

Deadline: March 1, 2012

NASS is the principal data collection and estimation arm of the U.S. Department of Agriculture. The agency designs and conducts a variety of surveys focusing on agricultural output and farm conditions, from which it produces a range of official estimates. Intern positions are in its research and development division, which is constantly trying to enhance the agency's abilities to estimate and forecast accurately using the latest developments in mathematical statistics, cognitive science, and remote sensing. Applicants must be U.S. citizens. Preference will be given to candidates having an interest in a future career with the agency.

Contact: Mark Harris, 3251 Old Lee Highway, Room 305, Fairfax, VA 22030; (703) 877-8000 x101; Fax: (703) 877-8042; mark.harris@nass.usda.gov

National Institute of Standards and Technology Gaithersburg, Maryland, and Boulder, Colorado

Number of Positions: 130

Type of Student: Undergraduate in science, technology, engineering, and mathematics

Deadline: February 15, 2012

Are you an undergraduate who wants an opportunity to work on meaningful projects over the summer, establish your research credentials, and meet enthusiastic students from across the country? The NIST Summer Undergraduate Research Fellowship (SURF) program lets you contribute to an ongoing research project under the guidance

of a NIST scientist or engineer. Use your knowledge of statistics to explore, measure, characterize, model, improve, monitor, and compare complex systems with real-world applications. SURF also has a summer-long lecture series to give you a taste of diverse research topics. After 11 weeks, SURFers will have results to present to an audience of NIST scientists. This is a competitive program that provides a \$5,500 stipend, along with a travel and housing allotment. For more information, visit www.nist.gov/surf/faithersburg.

Contact: Lisa Jean Fronczek, 100 Bureau Drive, Stop 8200, Gaithersburg, MD 20899-8200; (301) 975-6633; lisa.fronczek@nist.gov

Novartis Oncology, Biometrics and Data Management Cambridge, Massachusetts, and Florham Park, New Jersey

Number of Positions 6

Type of Student: At least 18 months of graduate work (also see other relevant information below)

Deadline: February 17, 2012

The internship program will be approximately 12 weeks in duration (May–August, dates flexible). Interns will work with senior-level statisticians and focus on statistical research in both early clinical development using biomarkers and full clinical development in oncology. Topics include survival analysis, Bayesian methods, PK/PD, nonparametric statistics, health-related quality of life, missing data, modeling, and simulation. Further information can be found in the September 2011 issue of *Amstat News* (Issue #411) pp. 25–27.

Candidates must be graduate students within an MS or PhD program in biostatistics, statistics, or a related degree with at least 1.5 years of graduate work; have a working knowledge of SAS, including SAS/GRAPH, and S-Plus helpful; and have good verbal and written communication skills.

Contact: Linda Finelli, 1 Health Plaza, E. Hanover, NJ 07936; (862) 778-7404; Fax: (973) 781-2703; Linda.finelli@novartis.com

Pfizer Inc. Multiple sites

Number of Positions: Multiple

Type of Student: MS or PhD students in statistics, biostatistics, or a closely related field

Deadline: January 31, 2012

The program will consist of up to 480 hours of work at one of the Pfizer facilities in New York, California, Connecticut, Massachusetts, or Pennsylvania, commencing as early as April and

ending as late as December. The intern's project will be biopharmaceutically oriented, with one-on-one supervision by a senior staff statistician. The project will be a hands-on learning experience involving both statistical and related data review and data transformation programming tasks. The programming tasks will involve SAS, R, and/or other statistical software on the UNIX or NT platforms. As part of the internship program, the intern will prepare a written report and give a brief presentation summarizing the work and forming a permanent record of the intern's efforts.

Contact: Liqiang Yang, Pfizer Inc., 10777 Science Center Drive, CB10-2332, San Diego, CA 92121; Fax (858) 678-8276; liqiang.yang@pfizer.com

Precision Bioassay, Inc. Burlington, Vermont

Number of Positions: 1–2, contingent on funding

Type of Student: Graduate Student in statistics or a closely related field

Deadline: March 31, 2012

Precision Bioassay, Inc. consults to industry, academia, and government on statistical issues related to biological assays. These include design, analysis, development, and validation of bioassays, as well as how to appropriately use bioassay results. These uses include stability studies, understanding the relationships among product specifications, variation in the product, and the capabilities of various components of the collection of assays for a product. We develop and improve statistical methods, implement them in R, and create effective links between statistical software and laboratory robotics.

The successful candidate will conduct statistical research relevant for bioassays and participate in data analysis and report writing for consulting projects. For both research and consulting work, we use nonlinear mixed models on crossed error designs. The research will involve evaluation of bias and precision of measures of nonsimilarity and relative potency. Research may involve model selection, design, comparisons among analysis methods, or other topics. Simulation plays a large role in most of our research. Interns also will work with client data and write reports based on the data and analyses. At the end of the summer, interns will be expected to give a seminar summarizing the results of their research.

Candidates should have training in statistical theory and methods and relevant experience. This experience should include R or S-Plus and, ideally, TeX, Sweave, and consulting on applied statistics in biology. A working familiarity with linear models, nonlinear models, mixed effects models, and

strong communication skills (written and oral) are required. Training or experience in design of experiments, biological sciences, biological assay, nonclinical applications of statistics in the pharmaceutical industry, and laboratory automation will be particularly relevant.

Submit a cover letter, CV, and short (two pages maximum) description of 1–3 consulting projects. The consulting project descriptions should include information about the application area problem, the statistical problem, how you solved the statistical problem, and how the statistical solution addressed the science or management problem.

Contact: Inquiries about the content of the work may go to David Lansky at david@precisionbioassay.com. Submit application materials to Georgette Little at glittle@precisionbioassay.com; (802) 865-0155; Fax: (802) 861-2365

The Procter & Gamble Company **Cincinnati, Ohio**

Number of Positions: TBD

Type of Student: Graduate student in statistics or biostatistics

Deadline for Applying: January 31, 2012

Summer interns can expect to work on applied statistics problems related to Procter & Gamble's consumer products businesses. Areas of application may include consumer understanding, clinical studies, quality control, and biotechnology. Statistical methods used will depend on the area of application. Interns' work will be overseen by a P&G statistician and will typically be done using SAS, R, S+, and/or JMP. Interns also will be able to participate in various activities with other P&G interns from a range of backgrounds and disciplines.

Students must have completed at least two semesters (three quarters) of study for their MS or PhD by May 2012 and be continuing with their degree program in the fall of 2012. Applicants must be legally authorized to work in the United States. Internships are typically for 10–12 weeks. Interns are expected to be able to work independently with some guidance, have good oral and written communication skills, and be able to work on applied problems effectively using SAS, R, S+, and/or JMP.

To apply, visit www.pg.com/en_US/careers.

Contact: Joyce Duecker, The Procter & Gamble Company, 8700 Mason-Montgomery Road, Mason, OH, 45040; (513) 622-5495; duecker.ja@pg.com

SAS Institute Inc. **Cary, North Carolina**

Number of Positions: 1

Type of Student: PhD student studying in the United

States who have completed at least two years of graduate work by the end of the spring semester 2012

Deadline: February 1, 2012

The statistical software development division at SAS is pleased to announce the SAS Summer Fellowship in Statistics. Open to doctoral candidates in statistics, biostatistics, and related graduate departments in the United States, this fellowship offers the opportunity to work closely with professional statisticians who develop software used throughout the world. The statistical fellow will contribute to research, numerical validation and testing, and documentation. The program provides an excellent opportunity to explore software development as a career choice.

Eligible candidates must have completed at least two years of graduate work by the end of the spring semester of 2012 and have demonstrated experience in statistical computing beyond the routine classroom use of statistical packages. We are particularly interested in candidates with computational and research experience in one of the following areas: Bayesian computing, causal inference methods, competing risks in survival analysis, finite mixture models, functional data analysis, missing data analysis, nonlinear mixed models, reliability analysis, spatial analysis, or structural equations modeling. We also are interested in candidates with experience using distributed and parallel methods for statistical computing.

The program provides a salary and stipend for a 12-week internship at SAS headquarters in Cary, North Carolina, during the summer of 2012. If interested, apply for position #11002918 (and other fellowship opportunities of interest) at <http://sas.taleo.net/careersection/10150/jobsearch.fil?lang=en>. In addition, you must ensure that two faculty members from the college/university you're currently attending send a letter of recommendation via PDF to SASFellows@sas.com by February 1, 2012.

Contact: SASFellows@sas.com

SAS Institute Inc. **Cary, North Carolina**

Number of Positions: 1

Type of Student: PhD student studying in the United States who have completed at least two years of graduate work by the end of the spring semester 2012

Deadline: February 1, 2012

The operations research development division at SAS is pleased to announce the SAS Summer Fellowship in Operations Research Program for the summer of 2012. Open to doctoral candidates in operations research, industrial engineering, computer science, applied mathematics, and related

graduate departments in the United States, the fellowship offers the opportunity to assist in the support of research and development in areas of operations research.

The operations research fellow will contribute to activities such as literature review, development and implementation of numerical algorithms, and software application development under the supervision of a senior member of the department. Specific areas of interest are mathematical optimization, constraint programming, and large-scale network algorithms. The department has a staff of more than 30, most with doctoral degrees, whose primary focus is OR-based software development. The program provides an excellent opportunity to learn, collaborate, and explore software development as a career choice.

Eligible candidates must have completed at least two years of graduate work by the end of the spring semester of 2012 and have demonstrated programming experience in languages such as C, C++, Java, and good knowledge of standard operating systems. Formal software development experience is preferred.

The program provides a salary and stipend for a 12-week internship at SAS headquarters in Cary, North Carolina, during the summer of 2012.

If interested, apply online for position #11002905 (and other fellowship opportunities of interest) by February 1, 2012, at <https://sas.taleo.net/careersection/10150/jobsearch.fil?lang=en>. In addition, you must ensure that two faculty members from the university/college you're attending send a letter of recommendation via PDF to SASFellows@sas.com by February 1, 2012.

Contact: SASFellows@sas.com

SAS Institute Inc. **Cary, North Carolina**

Number of Positions: 1

Type of Student: PhD students studying in the United States who have completed at least two years of graduate work by the end of the spring semester 2012

Deadline: February 1, 2012

The econometrics and time series development division at SAS is pleased to announce the SAS Summer Fellowship in Econometrics Program for the summer of 2012. Open to doctoral candidates in economics, finance, statistics, and related graduate departments in the United States, the fellowship offers the opportunity to work closely with professional econometricians and statisticians who develop software used throughout the world. The econometrics fellow will contribute to activities such as research, numerical validation and testing, documentation, creating examples of applying SAS econometric software, and assisting with software development work. (The specific projects assigned may be adjusted to the skills

and interest of the fellow selected.) The program provides an excellent opportunity to explore software development as a career choice.

Eligible candidates must have completed at least two years of graduate work by the end of the spring semester of 2012 and have demonstrated experience in statistical computing beyond the routine classroom use of statistical packages. We are particularly interested in candidates with a combination of computational and research experience in Bayesian econometrics, state space models, graphical output for econometric modeling, count data models, discrete choice models, nonlinear panel data models, dynamic structural macroeconomic models, or distributed/parallel methods for statistical computing.

The program provides a salary and stipend for a 12-week internship at SAS headquarters in Cary, North Carolina, during the summer of 2012.

If interested, apply online for position #11002905 (and other fellowship opportunities of interest) by February 1, 2012, at <https://sas.taleo.net/careersection/10150/jobsearch.fil?lang=en>. In addition, you must ensure that two faculty members from the university/college you're attending send a letter of recommendation via PDF to SASFellows@sas.com by February 1, 2012.

Contact: SASFellows@sas.com

SAS Institute Inc. **Cary, North Carolina**

Number of Positions: 1

Type of Student: PhD students studying in the United States who have completed at least two years of graduate work by the end of the spring semester 2012

Deadline: February 1, 2012

The data mining development division at SAS is pleased to announce the SAS Summer Fellowship in Data Mining Program for the summer of 2012. This fellowship is open to doctoral candidates in statistics, biostatistics, computer science, mathematics, physical sciences, data mining, econometrics, and operations research graduate departments in the United States with a data-mining, text-mining, or model-building focus. The data mining fellowship offers the opportunity to assist in basic research into the implementation, applications, and performance of key data mining technologies. This work will include reviewing literature, writing SAS code, testing algorithms, and writing technical reports and review papers. The program provides an excellent opportunity to explore software development as a career choice.

Eligible candidates must have completed at least two years of graduate work by the end of the spring semester of 2012, have core experience in data analysis and model building, and have SAS programming,

Matrix programming, SQL programming, R programming, or Java programming. We are particularly interested in candidates who have research and project interests in statistical modeling, machine learning, text mining, pattern detection and recognition, pattern discovery, and data management.

The program provides a salary and stipend for a 12-week internship at SAS headquarters in Cary, North Carolina, during the summer of 2012.

If interested, apply online for position #11002905 (and other fellowship opportunities of interest) by February 1, 2012, at <https://sas.taleo.net/careersection/10150/jobsearch.fil?lang=en>. In addition, you must ensure that two faculty members from the university/college you're attending send a letter of recommendation via PDF to SASFellows@sas.com by February 1, 2012.

Contact: SASFellows@sas.com

SOARS Boulder, Colorado

Number of Positions: 4–10

Type of Student: Undergraduate

Deadline: February 1, 2012

SOARS, Significant Opportunities in Atmospheric Research and Science, is an undergraduate-to-graduate bridge program designed to broaden participation in the atmospheric and related sciences. The program is built around research, mentoring, and community. SOARS participants, called protégés, spend up to four summers doing research in atmospheric and related sciences. SOARS offers comprehensive financial support for summer research and undergraduate and graduate school funding.

The 10-week summer program typically starts at the end of May and continues through mid-August. SOARS protégés work 40 hours a week and earn a competitive wage, which increases with each year of participation. Furnished apartments are provided at no cost to protégés. Round-trip airfare is provided to summer working locations from anywhere within the United States and Puerto Rico. Protégés receive a regional bus pass that meets local transportation needs.

Protégés spend their first summer at NCAR or partnering labs, such as NOAA, in Boulder, Colorado. They participate in real research projects and take part in an eight-week scientific writing and communication workshop. Throughout the summer, protégés participate in seminars with peers and scientists, are mentored by scientists and professionals, explore career options, and learn about how to apply to and succeed in graduate programs. At the end of each summer, protégés present their research in a formal setting.

Protégés are funded to attend national scientific conferences to present their summer research. Successful protégés also are eligible to receive funding for undergraduate and graduate education.

Contact: Moira Kennedy, SOARS Program Assistant; (303) 497-8622; Fax: (303) 497-8629; moira@ucar.edu

StataCorp LP College Station, Texas

Number of Positions: 2–3

Type of Student: Graduate student in statistics, biostatistics, econometrics, or a closely related field.

Deadline: February 15, 2012

StataCorp's summer internships offer the opportunity for students to learn the inner workings of statistical software development by working closely with StataCorp's professional staff. Statistical software development is a challenging and rewarding career, ideal for those with a graduate education in statistics or a related field, and for those with a keen interest in using their problemsolving skills to produce commercial software for use by all types of researchers, from medical professionals to leaders in finance.

Job duties may include learning how to use Stata and how to program in Stata, answering technical questions from Stata users via email, creating technical support materials, assisting in adding new statistical features to Stata and testing and documenting those features, and collaborating on projects suitable for publication in the *Stata Journal*. Interns work with a senior member of Stata's development team.

Candidates must be enrolled in a graduate program in statistics, biostatistics, econometrics, computer science, or a related quantitative field; have good technical writing skills; and be able to effectively communicate in English. A strong mathematical background and experience programming in Stata, other statistical languages, and C/C++/Java are desirable.

Visit www.stata.com/internships for information about the application process.

Contact: Kristen Herring, Human Resources Manager, StataCorp LP, 4905 Lakeway Drive, College Station, TX 77845; (979) 696-4600; Fax: (979) 696-4601; hrrd@stata.com

Summer Institute for Training in Biostatistics (SIBS) Boston, Massachusetts; Atlanta, Georgia; Iowa City, Iowa; Raleigh/Durham, North Carolina; Pittsburgh, Pennsylvania; Tampa, Florida; Madison, Wisconsin; St. Louis, Missouri

Number of Positions: 16–25 at each site

Type of Student: Undergraduates majoring in

mathematics, statistics, biology, or other science who have interest in quantitative methods. Those who already have a baccalaureate degree are also eligible to apply, but priority will be given to undergraduates at the time of application. U.S. citizenship or permanent resident

Deadline: March 9, 2012, or as specified by individual sites

The Summer Institute for Training in Biostatistics (SIBS)—supported by grants from the National Heart, Lung, and Blood Institute and the National Center for Research Resources—provides a comprehensive six- to seven-week program designed to expose undergraduate students to the exciting opportunities offered by a career in biostatistics and to encourage them to pursue graduate study in the field. The program will be offered at eight sites in the summer of 2012. Although the program at each site is different, all are focused on providing participants with an intensive introduction to biostatistical principles and methodologies and the essential role of biostatistics in health sciences research. Participants will enjoy instruction and lectures by recognized experts in the field; meet practicing biostatisticians, epidemiologists, and statistical geneticists; and gain real-world experience working with data from internationally recognized studies.

The program covers tuition, housing, meals, and extracurricular activities, and participants will earn college credit that can be transferred back to their home institutions. Details are available at the individual program websites. Application should be made to each program separately; there is no restriction on to how many programs a student may apply.

Contact: NHLBI SIBS, www.nhlbi.nih.gov/funding/training/redbook/sibsweb.htm; Boston University, <http://sph.bu.edu/sibs>; Emory University, www.sph.emory.edu/cms/departments_centers/bios/bios_training/sibs.html; North Carolina State University/Duke Clinical Research Institute, www.stat.ncsu.edu/sibs; University of Iowa, www.public-health.uiowa.edu/biostat/isib/overview.html; University of Pittsburgh, www.biostat.pitt.edu/sibs; University of South Florida, <http://health.usf.edu/publichealth/sibs>; Washington University in St. Louis, www.biostat.wustl.edu/sibs; University of Wisconsin, www.biostat.wisc.edu/Educational_Resources/SIBS

Marie Davidian FedEx address, Professor Room 5124 SAS Hall, Department of Statistics, 2311 Stinson Drive, Box 8203, North Carolina State University, Raleigh NC 27695; (919) 515-1940; Fax: (919) 515-1169 or 7591; davidian@ncsu.edu; www4.stat.ncsu.edu/~davidian

Social & Scientific Systems, Inc. Silver Spring, Maryland

Number of Positions: 1

Type of Student: Enrolled graduates

Deadline: Open

Social & Scientific Systems, Inc. (SSS), a company dedicated to improving public health around the world, is looking for an enthusiastic student with studies geared toward a career in SAS programming, especially as it relates to the public health field. This is an excellent opportunity to gain real-world experience in SAS programming that can help you advance in your career after college.

The intern, a junior SAS programmer, will learn how to test, debug, revise, and refine SAS programs to meet specifications in real-world scenarios in the field of public health. This position will ensure quality by using established standards and procedures, construct code books and format files, zip and encrypt data for secure transfer, and enter data in an MS Access database for file documentation and task management.

The successful applicant must be enrolled in a college or university. Only those applicants enrolled or having a history of SAS study or knowledge need apply. Applicants with experience with SAS programming, especially in the field of public health, are preferred. Applicants with positive can-do spirit are encouraged to apply. All applicants must possess excellent professional verbal and written communication skills.

The intern will work in our downtown Silver Spring office (Metro accessible.) The duration of this position is at least three months and can be either full- or part-time. Apply online at www.s-3.com to Req. # 891. EOE M/F/D/V ■



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Meet NASS Administrator Cynthia Clark

Amstat News invited Cynthia Clark, director of the National Agricultural Statistics Service (NASS), to respond to the following questions so readers could learn more about her and the agency she leads. Look for other statistical agency head interviews in past and forthcoming issues.

What have you enjoyed most about being head of NASS?

NASS is a great agency to lead. The agency has the best managers I have encountered in my career, in part because of its leadership training program and the career development opportunities available to NASS staff. Our staff is very customer-focused and has a “can do” attitude. It is very important for staff to be adaptive, responsive, dependable, and knowledgeable. It has been a great pleasure to work with the NASS staff.

I have thoroughly enjoyed the task of leading a statistical agency. I came to this position with experience in directing statistical and survey methodology research and managing survey programs in three organizations: the U.S. Census Bureau, NASS, and the UK Office for National Statistics. As part of the senior management of these agencies, I had observed all the functions of a national statistical office, but never bore the responsibility of integrating them. Through my experience in research, I became familiar with an extended range of statistical programs and the different issues each encountered. I also learned the following:

- A statistical agency must rely on its data respondents
- The agency’s data and publications must be carefully reviewed
- It is important to communicate our methods and procedures to differently situated audiences
- An agency must interact responsibly with its stakeholders
- Effective data processing systems play a crucial role in our success
- An effective and robust research program is essential
- The pressing need for effective internal and external communication must be satisfied

I have thrived on the challenge of ensuring that these responsibilities are met.

Earlier in my career, I worked in agricultural statistics, but had not been involved in this sector during the past 12 years. Returning to the United States and agricultural statistics has been both daunting and exciting.

For the first time in my career experience, agriculture is at the center of many societal issues—feeding the world, ensuring a safe food supply, providing water for societal needs, promoting health and nutrition, caring for our environment, responding to climate change, maintaining an adequate supply of energy. I have found it stimulating to be involved in the effort to ensure that there is a statistically valid base for information and analysis relating to these issues. Because of NASS’s position in the research, economics, and education mission area within the U.S. Department of Agriculture (USDA), our agency is crucially involved in research and information efforts relating to all these issues.

What do you see as the biggest challenges for NASS, and have they changed significantly since you started this position?

Today’s biggest challenge for NASS is to stay relevant in a difficult budget environment. NASS took the equivalent of a 7% cut mid-year in fiscal year 2011 (FY11) and, based on the early House and Senate marks, we faced shortfalls in FY12 as high as 12% for the agricultural estimating program—the largest component of the NASS budget—and the ramp-up of the Census of Agriculture. Operating under continuing resolutions with a high range of budget uncertainties makes it difficult to plan data collection activities that must take place early in the fiscal year. Such cuts are difficult for a government agency to take without eliminating programs and cutting the staff who administer those programs. The unprecedented current budget process has not allowed much stakeholder input into those decisions. Accordingly, we anticipate there will come to be numerous disappointed data users. In response to this process, NASS has identified what it considers its core programs, based on whether the program in question provides data for principal economic



An accomplished statistician, Cynthia Clark is highly respected for her expertise in survey research and development. Before joining NASS, she directed statistical research and survey methodology for the United Kingdom’s Office for National Statistics and the U.S. Census Bureau.

Fast Facts

Reports to Under Secretary for Research Education and Economics in U.S. Department of Agriculture

Website: <http://nass.usda.gov>

FY11 Budget: \$158.6 million

Staff Size: 1,050

indicators, data that affects commodity markets, data necessary to implement USDA programs, and data publicly available from no other source.

In February 2009, NASS began a process to identify and implement five operational efficiencies in conjunction with an enhanced investment in research. The efficiencies we sought were designed to improve agricultural data quality, reduce cost of operations, create new NASS career opportunities, and position NASS to be the lead statistical data collection agency within USDA.

This supported the opening of a NASS National Operations Center (NOC) in St. Louis in October 2011. Statistical functions at the center include a 150-seat telephone calling unit, receipt of mail forms and associated digitization and data keying, development and maintenance of the NASS list frame, development and execution of interviewer training—both telephone and field—and receipt and processing in a laboratory of fruit (corn, wheat, soybeans, cotton) for objective measurement surveys.

To support the center, NASS initiated a large effort to redesign its operating systems to work in both a centralized and decentralized mode. It created a thin client network for all its offices such that all servers are now centralized and all desktop images are managed centrally. To facilitate complete digitization of its processes, NASS is implementing the use of Apple iPads with high-speed Wi-Fi for field data collection. The entire effort is being facilitated by newly installed videoconferencing equipment at each of the 46 NASS sites.

The recent opening of the NOC has resulted in disproportionate staff loss from our 46 field offices, as well as movement of functions from headquarters. That loss, in conjunction with large budget reductions, has forced the agency to consider realigning both its field office and headquarters staff. A proposal under discussion would implement a regional field office structure while maintaining one to two staff members in each state to maintain our effective federal-state cooperative partnerships and connect with the states' agricultural infrastructure and their farmers and ranchers. Because of the immediacy of

the 2012 Census of Agriculture, this realignment—though now begun—might not be fully implemented until the conclusion of the census of agriculture data collection and review process.

Describe your top two or three priorities for NASS.

My vision for NASS is to maintain its stature as the leading agricultural agency in the world as it positions itself to become USDA's premier statistical agency. The vision entails improving agricultural data quality while reducing operational costs and enhancing career opportunities for staff. The efficiencies mentioned above directly contribute to improving NASS data quality by standardizing the data collection process, reducing the number of sites performing a given function, and streamlining each process.

The complimentary research agenda has focused on improvements to data collection methodology, automated and selective editing of data, and the estimation process. Needed improvements in the field procedures used for enumerating operations within a sampled area segment in the June Area Survey (JAS) were identified in a research project that compared 2007 JAS data with 2007 Census of Agriculture data.

The Statistics Canada BANFF editing program has been used to develop selective editing procedures. Bayesian hierarchical models have been developed to incorporate farmer crop reports, objective measurement surveys, weather, and precipitation information for crop yield forecasts. Small-area estimation models and a new probability-based survey design will provide higher quality county crop estimates for area planted and harvested and production. Time series models using state-space methods have been developed to forecast livestock production using survey information and slaughter data. All these research efforts will enable NASS to be more transparent in the forecasts and estimates it provides to data users.

The agency has enhanced staff career opportunities by creating new positions in headquarters, in the NOC, and (we expect) in a new regional structure. A regional structure will allow more specialization of functions, thus increasing the depth of an individual's knowledge. Additionally, NASS has pursued a project management certificate program for its staff and has numerous certified project managers. We could use more survey methodologists than we currently have. We also have formalized a quality management function in NASS.

What do you see as the role for the broader statistical community in supporting NASS?

In the past, most staff members have spent their entire career at NASS, beginning with 5–10 years in state field offices. When employees come to Washington, their focus has generally been on their

work at NASS. They have not participated much in activities of the broader statistical community. I have been encouraging broader participation—in WSS seminars, in JSM and other conferences, as liaisons with other statistical offices, and in facilitating contacts. These opportunities have been enlightening to staff and have brought new ideas into the organization. NASS has hosted the Morris Hanson lecture for many years, bringing other statisticians into our building. All these activities and opportunities increase our vision and enable us to add value to our products.

What do you see as the biggest accomplishment of the agency during your tenure?

NASS will soon be in the position to do its business in a very different way. It will be structured differently than it has been during the past 40 years, and the work product of the agency will be recognized as transparent and statistically sound. We have tried hard to preserve the positive components of a statistical organization that was close to its respondents, users, and customers. This will continue to be a goal as NASS moves toward conducting its work within a new and more efficient structure.

Our ongoing implementation of operational efficiencies (and improved research) enables NASS to operate using standard statistical processes with built-in quality assurance procedures and facilitate the incorporation of quality control checks. The technology implementations will ensure all data goes into a digital form within a much-reduced time frame. This will allow NASS to implement components of adaptive design into its data collection procedures, thereby reducing cost and minimizing response bias. Computerized editing procedures will reduce staff review and associated costs. Other cost savings are materializing in consequence of the fact that fewer staff members are needed to accomplish the objectives of agency programs. Our research agenda, with its focus on modeling, provides the foundation for NASS to be more transparent with its methods and produce quality measures for its data.

One of the initial goals of the transformation ongoing at NASS was to produce efficiencies that would permit the agency to enhance its data products and stay relevant to societal needs. Achievement of this goal may be inhibited in a budget-downsizing environment, but the ongoing transformation will, in any event, allow NASS to remain relevant without inflicting damage on its core programs. ■

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JSM 2012: Call for Contributed Abstracts

Steve MacEachern, 2012 JSM Program Chair

The 2012 Joint Statistical Meetings will take place at the San Diego Convention Center in San Diego, California, from July 28 through August 2. A large crowd is expected, so make your flight and hotel reservations early. I encourage you to participate fully in the meetings, not only by attending talks, visiting the poster presentations, and joining continuing education courses and mixers, but also by presenting your own work.

The theme for the meeting, laid out by ASA President-elect Bob Rodriguez, is “Statistics: Growing to Serve a Data-Dependent Society.” The theme covers the myriad ways in which our discipline is contributing to society, be it the growth of interdisciplinary work, the growth in statistics (powered by advances in computing technology) as a problem-solving technology, the growth in the profession through the activities of our societies,

or our own growth as individuals. Members of the program committee have put together an invited program consisting of 157 sessions. You will be sure to find many fun and interesting activities at JSM, no matter what your interests are and whether your home is in industry, government, or academia.

The next stage of preparation for JSM involves building the contributed program. One particularly delightful aspect of statistics is the egalitarian nature of the field, reflected at JSM in the right of every participant to present their work. There are many ways to convey your effort, ranging from the traditional talk to presentation of a poster.

Poster Sessions

Presentation of a poster is a terrific way to participate in the meeting, and I encourage you to consider this format. A poster affords you and your audience the chance to have a conversation about the work,

making for a much more personal experience. In San Diego, the posters will be located near the exhibits, so there should be a lot of walk-by traffic in addition to those stopping by just to see your poster.

Topic-Contributed Sessions

I especially encourage you to consider organizing or presenting in a topic-contributed paper session. Such a session is organized around a common theme and includes five participants. The session can entail five papers, four papers with discussant, or three papers with two discussants. Topic-contributed sessions have several advantages over (regular) contributed sessions:

- They provide a more cohesive set of papers with a common theme
- They are limited to five participants, rather than seven
- They allow more time for each speaker to present, up to 20 minutes each
- They are labeled as topic-contributed in the program, providing more visibility and attracting larger audiences

Topic-contributed sessions require more work up front, because the organizer has to select a theme, invite speakers, and secure commitments prior to February 1, 2012. But this up-front work is worth the effort, because it typically results in a high-quality session that is informative and enjoyable for presenters and attendees alike. If you have an idea for a topic-contributed session, contact a member of the program committee to discuss it. A listing of committee members and their contact information can be found at www.amstat.org/meetings/jsm/2012/program.cfm.

Contributed Sessions

An alternative to topic-contributed sessions are contributed sessions. These do not involve the up-front planning that characterizes topic-contributed sessions. To present a contributed paper, you simply have to submit a title and abstract, along with an indication of which ASA section is most closely associated with the topic of your paper. These sessions consist of seven papers, each presented in 15 minutes.

Abstract Submission

The online abstract submission system, available as a link from the JSM website at www.amstat.org/meetings/jsm/2012, will close on February 1, 2012.



To provide the best and most cohesive program possible, speakers must register for JSM when they submit an abstract. Details can be found at www.amstat.org/meetings/jsm/2012.

The closing deadline is firm, so please submit your abstract early. The system will reopen for editing your abstract from March 29 to April 18, 2012.

Session Chairs

One final request: All JSM sessions need a chair to ensure speakers are well-informed about the session ahead of time and to manage the session by introducing speakers, holding them to their time limits, and taking questions from the audience. Chairing a session is a great way to get involved with JSM, especially for those of you new to the profession and JSM. Please consider volunteering to chair a session by contacting a member of the program committee. ■

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Obituary

Martha Aliaga: An Ideal Teacher

Val Nirala, ASA Publications Coordinator



Martha participates in the Census at Schools program in Canada.

Her drive to think of new ways to educate teachers was a model for us all to follow. May we continue her efforts.

Author Nikos Kazantzakis once said, “Ideal teachers are those who use themselves as bridges over which they invite their students to cross, then having facilitated their crossing, joyfully collapse, encouraging them to create bridges of their own.” If this is true, ASA Director of Education Martha Aliaga, who passed away October 15, 2011, was ideal. A world-renowned educator and statistician, Martha affected many both personally and professionally by seizing every opportunity to both teach and encourage others to teach.

An example of her philosophy can be seen in the ASA’s Educational Ambassadorship Program, which she and the Committee on International Relations in Statistics launched in 2005. Within the program,

an ambassador attends continuing education courses during the Joint Statistical Meetings and then returns to his or her country to teach the new subject matter. This way of passing statistics education forward has allowed statisticians to reach students in every corner of the world.

Martha also believed in starting statistics education early and was a tireless advocate for K–12 curriculum in statistics. Now under the direction of the ASA/NCTM Joint Committee on Curriculum in Statistics and Probability, she created the Meeting Within a Meeting Statistics Workshop for K–12 math and science teachers and STEW, a peer-reviewed repository of lesson plans. She also introduced Census@School in the USA and created the K–12 statistics education webinar program. All these programs deliver training to K–12 teachers or provide resources for their success.

Jerry Moreno, a longtime colleague and member of the ASA/NCTM joint committee, said of Martha, “She will be missed internationally by all who value statistics education. Her dedication to students of all ages was exemplary. Her drive to think of new ways to educate teachers was a model for us all to follow. May we continue her efforts.”

Already a longtime member of the ASA, Martha joined the staff in August 2003 after a distinguished



Martha, during the 2009 Institute for Defense Analysis Science Fair

career at the University of Michigan, where she was a professor with an outstanding international reputation. While there, she won the First Prize in Statistics for Innovative Programs Using Technology and two awards for excellence in teaching. She also coauthored the acclaimed textbook *Interactive Statistics* and was elected an ASA Fellow.

Martha was a strong supporter of women and minorities and served as president of the Caucus for Women in Statistics in 2002. Additionally, she participated as the only instructor for a National Science Foundation (NSF) program for middle-school minority girls in Ann Arbor, Michigan, and was invited to give workshops in many countries. Shortly after hearing about Martha's passing, ASA Executive Director Ron Wasserstein said, "The statistical education community lost a passionate advocate and a dear friend. Our sense of loss is great, but great also is our sense of privilege to have known and worked with her."

Martha loved her family dearly and is survived by her husband of 44 years, Alfredo Aliaga, and her three children: Viviana (Ronald), Pablo (Sonya), and Eduardo (Roxanna). She also is survived by nine grandchildren, a brother, and a sister-in-law. ■

Letters of condolence to Martha's family can be sent to The Aliaga Family, c/o The American Statistical Association, 732 North Washington Street, Alexandria, VA 22314. Memorial gifts toward a scholarship fund in Martha's name would be deeply appreciated, and contributions may be made to the ASA for this fund.

Of Note

Education

PhD, statistics, University of Michigan

Dissertation Title: Use of a Side Effect as a Covariate in a Problem of Sequential Analysis

Advisor: Michael B. Woodroffe

MA, statistics, CIENES, Universidad de Chile

BA, mathematics, Universidad de Buenos Aires

Honors

International Statistical Institute, Elected Council Member, 2009–2013

International Statistical Institute, Elected Regular Member, 2000

American Statistical Association, Elected Fellow, 1999

CAUSE, The Ohio State University, Member, Board of Directors, 2005–2011

TODOS (Mathematics for All), Member, Board of Directors, 2006

Caucus for Women in Statistics, President, 2002

First Prize in Statistics, Innovative Programs Using Technology (INPUT), 1996–1997

Excellence in Teaching and Commitment to Her Students, The Women of Delta Tau Lambda Sorority, University of Michigan, 1996

LSA Excellence in Education, University of Michigan, 1992

Selected Publications

Interactive Statistics, 2006, 2003, 1999

Guidelines for Assessment and Instruction in Statistics Education: College Report, 2005

Using Statistics Effectively in Mathematics Education Research, 2007

Obituary

Paul Meier

Steve Koppes



Paul Meier

University of Chicago professor emeritus Paul Meier, who exerted a major influence on the application of statistics to medical research, died August 7. He was 87.

“Paul was a friend and colleague, as well as one of the most influential statisticians of an important era,” said Stephen Stigler, the Ernest DeWitt Burton Distinguished Service Professor in Statistics. “He left an indelible mark on us and through his research on the world’s clinical analytical practice. He will be missed and cannot be replaced.”

Meier was well known among his colleagues for co-developing a statistical method called the Kaplan-Meier estimator, which provided a novel method for estimating survival rates in clinical trial data. It incorporates data from patients who have been followed until death, as well as others who survived. The journal article that introduced the method in 1958, co-authored by Meier and Edward L. Kaplan, remains one of the most-cited research papers in statistics or any other field, with about 34,000 citations to date.

Meier also wrote extensively about the polio vaccine trial of 1954. The trial comprised the largest medical experiment in history, involving more than 1 million children.

Meier’s passing has evoked an outpouring of gracious personal and professional testimonials from his friends, colleagues, and former students, including Joseph Sonnabend, a leading AIDS researcher now retired in London. “He was a kind of lifeline to me, reassuring me that integrity does exist in a world where principle is so often trampled by ambition,”

Sonnabend said of Meier. “He was truly a great man, a unique combination of kindness, honesty, and adherence to principle.”

Meier also had a profound impact on Theodore Karrison, MS’75, PhD’85, research associate and director of the biostatistics laboratory at The University of Chicago. “Throughout his long career, Dr. Meier made outstanding contributions to the application of statistical methods to medical research—contributions that have led to the proper and efficient evaluation of new medical therapies, to the betterment of many patients’ lives,” said Karrison, a longtime collaborator who studied under Meier as a graduate student.

Meier was born July 24, 1924, in New York City. He earned his bachelor’s degree in physics and mathematics from Oberlin College in 1945. He then attended graduate school at Princeton University, where he earned his master’s degree in mathematical logic in 1947 and his doctorate in statistics in 1951.

He began his academic career as an assistant professor of mathematics at Lehigh University. He went to The Johns Hopkins University in 1952, starting as a research associate in biostatistics before rising to the rank of associate professor. Meier joined The University of Chicago statistics faculty in 1957, where he remained until 1992. Meier held joint appointments at The University of Chicago, starting in 1975, as professor of pharmacological and physiological sciences, then in 1985 as professor of medicine. He also held several temporary appointments as a National Institutes of Health (NIH) Special Fellow at the University of London and Imperial College, as a visiting professor at Harvard University and Jerusalem’s Hebrew University, and as a fellow of Stanford University’s

Center for Advanced Study in the Behavioral Sciences.

He retired from The University of Chicago in 1992 as the Ralph and Mary Otis Isham Distinguished Service Professor Emeritus in Statistics. He then joined the faculty at Columbia University, initially as head of the division of biostatistics.

A fellow of the American Academy of Arts and Sciences, the Royal Statistical Society, and the John Guggenheim Memorial Foundation, Meier received many awards during his career. These honors included election to senior membership in the Institute of Medicine of the National Academy of Sciences.

Meier also was named 1986 Statistician of the Year by the Chicago Chapter of the American Statistical Association. More recently, he received the association’s 2004 Samuel Wilks Award “for significant and pioneering contributions to the development of important statistical methods and biostatistical methods.”

Additionally, he was a founding member of the Society for Clinical Trials and served on the society’s board of directors and as its president from 1986–1987. He also served on numerous committees of importance to the nation’s health, including the NIH Diet-Heart Feasibility Study Review Committee, a National Academy of Sciences panel on atmospheric pollution, and multiple Food and Drug Administration advisory committees and clinical trial data monitoring boards.

Meier is survived by his wife of 63 years, Louise Goldstone Meier; three children, and five grandchildren. Contributions may be sent to The University of Chicago Paul Meier Fellowship for new doctoral students in statistics in care of Kathryn Krainik, Administrator, Department of Statistics, The University of Chicago, 5734 University Ave., Chicago, IL 60637. ■

This version was reprinted with permission from the UChicagoNews website.

To read the entire article, visit <http://bit.ly/oJv6w3>.

Julius Shiskin Memorial Award for Economic Statistics

Nominations are invited for the annual Julius Shiskin Memorial Award for Economic Statistics. The award is given in recognition of unusually original and important contributions to the development of economic statistics or in the use of statistics in interpreting the economy. Contributions are recognized for statistical research, development of statistical tools, application of information technology techniques, use of economic statistical programs, management of statistical programs, or developing public understanding of measurement issues.

The award is in memory of Julius Shiskin, who had a varied and remarkable public service career. Individuals and groups in the public or private sector from any country can be nominated. The award will be presented with an honorarium of \$1,000 and recognition from the sponsors. A nomination form and list of previous recipients are available at www.amstat.org/sections/bus_econ/shiskin.html. Nominations must be received by March 15, 2012.

For more information, contact Steven Paben, Julius Shiskin award committee secretary, at paben.steven@bls.gov.

The award was established in 1980 by the Washington Statistical Society (WSS) and is now cosponsored by the WSS, the National Association for Business Economics, and the Business and Economics Statistics Section of the American Statistical Association.

Excellence in Statistical Reporting

Members of the committee in charge of the Excellence in Statistical Reporting Award are seeking nominations for 2012.

The award is given to members of the communications media who have best displayed an informed interest in the science of statistics and its role in public life. The award can be given for a single statistical presentation or for sustained worthy contributions. For additional

information and a nomination form, visit www.amstat.org/awards/excellenceinstatisticalreportingaward.cfm. Nominations are due April 2, 2012, to Pam Craven at pamela@amstat.org. Contact Morteza Marzjarani at marzjara@svsu.edu with questions. ■

Deadlines and Contact Information for ASA National Awards, Special Lectureships, and COPSS Awards

www.amstat.org/awards

January 15, 2012

COPSS Presidents' Award

Tony Cai, tcai@wharton.upenn.edu

January 15, 2012

COPSS Elizabeth L. Scott Award

Francesca Dominici, fdominic@hsph.harvard.edu

March 2, 2012

ASA SPAIG Award

Jessica L. Thompson, jessica.thomson@ars.usda.gov

March 9, 2012

ASA Statistics in Chemistry Award

Rick Lewis, richard.a.lewis@gsk.com

March 15, 2012

ASA W. J. Dixon Award for Excellence in Statistical Consulting

Nominations: Pam Craven, pamela@amstat.org
Questions: Michael R. Chernick, chernickm@mlhs.org

March 15, 2012

ASA Founders Award

Nominations: Pam Craven, pamela@amstat.org
Questions: Nancy L. Geller, nancygeller@gmail.com

March 15, 2012

ASA W. J. Youden Award in Interlaboratory Testing

Nominations: Pam Craven, pamela@amstat.org
Questions: Michael J. Messner, messner.michael@epa.gov

March 15, 2012

ASA Waller Education Award

Nominations: Pam Craven, pamela@amstat.org
Questions: June Morita, june@stat.washington.edu

April 2, 2012

ASA Gertrude M. Cox Scholarship

Nominations: Pam Craven, pamela@amstat.org
Questions: Eleanor Feingold, feingold@pitt.edu

April 2, 2012

ASA Outstanding Statistical Application Award

Nominations: Pam Craven, pamela@amstat.org
Questions: Petrutza C. Caragea, pcaragea@iastate.edu

April 2, 2012

ASA Edward C. Bryant Scholarship

Nominations: Pam Craven, pamela@amstat.org
Questions: Tapabrata Maiti, maiti@stt.msu.edu

April 2, 2012

ASA Excellence in Statistical Reporting Award

Nominations: Pam Craven, pamela@amstat.org
Questions: Morteza Marzjarani, marzjara@svsu.edu

April 2, 2012

ASA Samuel S. Wilks Memorial Medal

Nominations: Pam Craven, pamela@amstat.org
Questions: Paul P. Biemer, ppb@rti.org

sectionnews

Biometrics

Timothy D. Johnson, section program chair, is collecting proposals for JSM 2012 topic-contributed talks. If you are interested in organizing such a session, contact him at tdjtdj@umich.edu. While the deadline for submitting topic-contributed session abstracts is February 1, 2012, proposals should be sent to the program chair as early as possible.

Also, applications are invited to submit papers for the 2012 Byar Young Investigator Award and section travel awards. The submission deadline has been changed to December 15. All materials must be submitted electronically to J. Jack Lee at jjlee@mdanderson.org.

With the arrival of 2012, the section will have a new set of officers. The current past chair, Barry Graubard, retires from meritorious service for the section. The current chair, J. Jack Lee, becomes past chair, while Dianne Finkelstein will be current chair, leaving the chair-elect slot to Jianwen Cai. Scarlett Bellamy succeeds Denise J. Roe as one of our three Council of Sections Representatives, Timothy D. Johnson is the 2012 program chair for JSM, and Daniel Scharfstein is ENAR program chair. For details, visit <http://magazine.amstat.org/?cat=17>.

Government Statistics

A message from the 2011 chair of the Government Statistics Section reviewing the past year's accomplishments can be found at <http://magazine.amstat.org/?cat=17>. For details about the section, visit www.amstat.org/sections/govt.

Physical and Engineering Sciences

The ASA's Section on Physical and Engineering Sciences (SPES) is seeking nominations for the 2012 Statistics in Chemistry Award. Past award winners have addressed a wide range of topics, including calibration methods, recursive partitioning, and forensics.

The current cash prize is \$2,000 and will be presented at the Joint Statistical Meetings in San Diego, California, in August. Nominations for the 2012 award are due by March 9, 2012.

If you know of an interesting collaboration between statisticians and chemists, please take the time to write a brief nomination letter—a paragraph or two about the work is sufficient—and send it to Rick Lewis at richard.a.lewis@gsk.com with a copy of the nominees' paper. For details about this award, visit <http://magazine.amstat.org/?cat=17>.

Quality and Productivity

A message from the Quality and Productivity Section chair, J.D. Williams, detailing the 28th Quality and Productivity Conference and past year's activities can be found at <http://magazine.amstat.org/?cat=17>.

The 2012 Quality and Productivity Conference will take place in Long Beach, California, from June 4–7. To find out how to submit a paper, visit www.qprc2012.com.

Papers also are being sought for the 56th Annual Fall Technical Conference, to take place in St. Louis, Missouri, from October 4–5. The deadline to submit abstracts is February 28, 2012. For details about this conference, visit <http://magazine.amstat.org/?cat=17>.

Statistics in Epidemiology

The ASA Section on Statistics in Epidemiology invites applications for travel awards from young investigators who will be presenting papers at JSM 2012 in San Diego, California. The awards honor the best papers in statistics in epidemiology. Recent graduates and current graduate students in statistics, biostatistics, and epidemiology are welcome to participate. The winner will receive \$500 to help defray the cost of traveling to JSM.

To apply for the award, first submit an abstract online at www.amstat.org/meetings/jsm/2012 by February 1, 2012. Then, submit the paper by June 1, 2012, along with a cover letter, to Jaya Satagopan, section secretary/treasurer, at satagopj@mskcc.org. State in the letter where you are a current student or your year of graduation and if you are a recent graduate. Questions about the award can be addressed to section chair, Melissa D. Begg, at mdb3@columbia.edu.

The section also welcomes organization of topic-contributed sessions for JSM 2012. These sessions consist of five 20-minute presentations (one of which can be a discussant) organized around a common theme. Each speaker must submit an abstract by February 1, 2012, and indicate it is part of a topic-contributed session. The name of the session organizer must be included at the time of submission. Individuals who wish to organize sessions should contact the 2012 program chair, Dylan S. Small, at dsmall@wharton.upenn.edu.

Survey Research Methods

A message from Steve Cohen, chair of the Survey Research Methods Section, detailing the past year's activities and webinar series can be found at <http://magazine.amstat.org/?cat=17>. For details about this section, visit www.amstat.org/sections/SRMS/index.html.

chapternews

Boston

The ASA's Boston Chapter held a statistics career day on March 12 at the University of Massachusetts, Boston Campus Center. The event, targeted to AP Statistics students, was planned to nurture interests in statistics and show attendees how to prepare for a career in statistics. Accordingly, the day included a keynote session, a panel discussion with statisticians, and another panel discussion with graduate students and young professionals. For details, visit <http://magazine.amstat.org/?cat=324>.

Pittsburgh

Bob Rodriguez, ASA president-elect and a senior director of R&D at SAS Institute, visited the department of biostatistics at the University of Pittsburgh on September 29. As an invited speaker in the Biostatistical Seminar Series, Rodriguez gave a presentation titled "Business Analytics: Buzzword or Bonanza for the Statistics Profession?" to an audience of about 100 local statisticians and students.

Rodriguez shared his perspectives on opportunities for statisticians in the business world and described related trends, such as distributed computing, use of unstructured data, and text mining. He also discussed emerging roles for statisticians and provided valuable career advice for graduate students, such as planning early, preparing for high-demand areas, and joining the ASA. He concluded with ideas about how our profession should respond, including presidential initiatives that will be undertaken in 2012. As part of his visit, Rodriguez also met with more than a dozen graduate students for an in-depth discussion of career success factors.

For details and photos of the event, visit <http://magazine.amstat.org/?cat=324>.

To view section and chapter news in their entirety, visit <http://magazine.amstat.org>.



Conference on Data Analysis
Exploring Research across the Department of Energy

February 29-March 2, 2012 | Santa Fe, New Mexico | cnls.lanl.gov/coda

Learn about the challenging research facing scientists and statisticians across the Department of Energy at the first **Conference on Data Analysis (CoDA)**.

Call for Posters: Abstract deadline January 27, 2012

We are looking for exciting statistical work that could lead to future collaborations.

Students: Register and submit your poster abstract to be considered for

- 2 travel scholarships from the ASA Section on Physical & Engineering Sciences
- Poster competition sponsored by the ASA Section on Defense & National Security

Professional Opportunity listings may not exceed 65 words, plus equal opportunity information. The deadline for their receipt is the 20th of the month two months prior to when the ad is to be published (e.g., May 20 for the July issue). Ads will be published in the next available issue following receipt.

Listings are shown alphabetically by state, followed by international listings. Vacancy listings may include the institutional name and address or be identified by number, as desired.

Professional Opportunities vacancies also will be published on the ASA's website (www.amstat.org). Vacancy listings will appear on the website for the entire calendar month. Ads may not be placed for publication in the magazine only; all ads will be published both electronically and in print.

Rates: \$320 for nonprofit organizations (with proof of nonprofit status), \$475 for all others. Member discounts are not given. For display and online advertising rates, go to www.amstat.org/ads.

Listings will be invoiced following publication. All payments should be made to the American Statistical Association. All material should be sent to *Amstat News*, 732 North Washington Street, Alexandria, VA 22314-1943; fax (703) 684-2036; email advertise@amstat.org.

Employers are expected to acknowledge all responses resulting from publication of their ads. Personnel advertising is accepted with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual orientation.

Also, look for job ads on the ASA website at www.amstat.org/jobweb.

#2962). Send questions to Susan_Paddock@rand.org. EO/AA Employer.

■ Stanford University, faculty appointment in statistics. Asst. prof, tenure-track or assoc. prof, with tenure: applied or theoretical statistics. See stat.stanford.edu for more information. Send application letter, CV, graduate transcripts, three letters of recommendation and at most one reprint to Faculty Search Committee, Department of Statistics, Stanford University, 390 Serra Mall, Stanford, CA 94305-4065. Applications received by January 5, 2012 are guaranteed consideration. Stanford University is an equal opportunity employer and is committed to increasing the diversity of its faculty. It welcomes nominations of, and applications from, women and members of minority groups, as well as others who would bring additional dimensions to the university's research and teaching missions.

■ SJSU mathematics department has one assistant professor/tenure-track opening in statistics starting August 2012. The department houses BS and MS statistics (professional science master's) programs and CAMCOS, which organizes industrial research projects for students. Candidate must teach undergraduate and graduate statistics courses, maintain an active research program, and supervise student research. PhD required at time of appointment. See the complete position description at www.math.sjsu.edu/statisticsposition. San Jose State University is an AA/EOE.

Florida

■ The department of statistics at the University of Florida, College of Liberal Arts & Sciences, invites applications for tenure-track assistant professor to begin August 16, 2012. Duties include teaching, service and methodological research. A PhD in statistics or a related field is required. Interested applicants should submit a vita, transcripts and three reference letters to Statistics Search Committee, PS#00009881, P.O. Box 118545, Gainesville, FL 32611-8545. The University of Florida is an Equal Opportunity Institution. All candidates for employment are subject to a pre-employment screening, which includes a review of criminal records, reference

Alabama

■ Assistant professor of statistics. The University of Alabama, Culverhouse College of Commerce and Business Administration, Department of Information Systems, Statistics and Management Science. Two (2) nine-month tenure-track positions available, effective August 16, 2012. Salary, teaching load, and faculty support competitive and commensurate with qualifications and experience. Responsibilities: conduct scholarly research; teach at undergraduate and graduate levels, service. Full description at <https://facultyjobs.ua.edu>. The University of Alabama is an Equal Opportunity/Affirmative Action Employer. Women and minorities are encouraged to apply.

Arkansas

■ The biostatistics department at the University of Arkansas for Medical Sciences (UAMS) invites applications for experienced research associate.

Qualifications: MS in biostatistics/statistics, 2+ years experience, strong computing skills including extensive SAS and/or R experience, excellent oral/written communication skills. Experience with complex data sets desirable. Send application including CV and reference information to RA Search, UAMS Department of Biostatistics, 4301 W. Markham, Slot 781, Little Rock, AR 72205, (501)296-1556, BiostatSearch@uams.edu. UAMS is an Equal Opportunity Employer.

California

■ RAND Statistics Group is seeking PhD-level statisticians interested in exciting opportunities to collaborate on multidisciplinary public policy research projects. Openings exist for recent graduates and experienced statisticians. See our ad in the September *Amstat News* for description or go to www.rand.org/statistics. Application deadline December 15, 2011. Applications must be submitted online following the instructions at www.rand.org/statistics/jobs.html (Job ID

The Williams College Department of Mathematics and Statistics invites applications for two tenure-track positions in statistics, beginning fall 2012, at the rank of assistant professor (in an exceptional case, a more advanced appointment may be considered). We are seeking highly qualified candidates who have demonstrated excellence in teaching and research, and who will have a Ph.D. by the time of appointment. The candidates will become the third and fourth tenure-track statisticians in the department, joining a vibrant and active statistics group.

Williams College is a private, residential, highly selective liberal arts college with an undergraduate enrollment of approximately 2,000 students. The teaching load is two courses per 12-week semester and a winter term course every other January. In addition to excellence in teaching, an active and successful research program is expected.

To apply, please send a vita and have three letters of recommendation on teaching and research sent to the

Hiring Committee, Department of Mathematics and Statistics
Williams College
18 Hoxsey Street
Williamstown, MA 01267

Teaching and research statements are also welcome. Evaluations of applications will begin on or after November 15 and will continue until the position is filled. For more information on the Department of Mathematics and Statistics, visit <http://math.williams.edu>.

Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western Massachusetts with easy access to the culturally rich cities of Albany, Boston, and New York City. The College is committed to building and supporting a diverse population of approximately 2,000 students, and to fostering an inclusive faculty, staff and curriculum. Williams has built its reputation on outstanding teaching and scholarship and on the academic excellence of its students. Please visit the Williams College website <http://www.williams.edu>. Beyond meeting fully its legal obligations for non-discrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

checks, and verification of education. Our department is committed to diversity as a component of excellence, and minorities, women, and those from other underserved groups are encouraged to apply.

Georgia

■ Tenure-track assistant professorship in mathematical statistics, department of statistics, University of Georgia, starting August 2012. Requires PhD in statistics and a strong commitment to research and teaching. To apply, visit <http://recruitment.franklin.uga.edu/statistics>. Applications received by January 2, 2012, will be assured consideration. The University of Georgia, an EEO/AA institution, is committed to increasing the diversity of its faculty and strongly encourages applications from women, minorities, and people with disabilities.



Postdoctoral Fellowships for 2012-2014

The Statistical and Applied Mathematical Sciences Institute (SAMSI) is soliciting applications for up to six postdoctoral positions to begin in September, 2012. A Ph.D. in a field related to SAMSI's Research Programs for the year 2012-2013, as described below, is required. Appointments, at extremely competitive salaries, will typically be for two years and be made jointly between SAMSI and one of its Partners.

SAMSI is part of the Mathematical Sciences Institute program of the National Science Foundation and is a partnership of Duke, North Carolina State University, The University of North Carolina, and the National Institute of Statistical Sciences. SAMSI is forging a synthesis of the statistical sciences and the applied mathematical sciences with disciplinary sciences to confront the hardest and most important data- and model-driven scientific challenges.

SAMSI will run the following Research Programs in 2012-13:

- **Data-Driven Decisions on Healthcare** will focus on issues of mathematical and statistical theory and methodology that must be addressed to improve evidence-based healthcare decision-making;

- **Statistical and Computational Methodology for Massive Datasets** will focus on fundamental methodological questions of statistics, mathematics and computer science posed by massive datasets, with applications to astronomy, high energy physics, and the environment.

Postdoctoral Fellows will participate in one of these Research Programs in collaboration with statisticians, applied mathematicians and disciplinary scientists from universities, industry, national laboratories and government agencies.

Criteria for selection include demonstrated research ability in statistical and/or applied mathematical sciences, interest and experience in the SAMSI program areas. The deadline for full consideration is January 31, 2012. Postdoctoral appointments may be made at any time. Members of under-represented groups are particularly encouraged to apply.

SAMSI only accepts electronic applications. Additional information and the electronic application can be accessed at mathjobs.org. Additional information on the programs may be found at our website: www.samsi.info.

SAMSI is an Affirmative Action/Equal Opportunity employer.

Idaho

■ Department of Mathematics. Assistant professor of statistics; full-time, nine-month, tenure-track starting August 2012. Responsible for teaching advanced and undergraduate courses in statistics, active research in statistics, and participation in the curricular oversight of the undergraduate statistics program. See www.isu.edu/math for details on both the job description and application. Review of completed applications will continue until the position is filled. Idaho State University is an AA/EEO Employer.

■ The BSU mathematics department invites applications for a tenure-track assistant professor position in statistics beginning August 2012. Candidates must hold PhD in statistics or biostatistics by employment start date and be committed to excellence in research, teaching, and service. Apply at www.mathjobs.org with a cover letter, CV, research description,



School of Public Health

Biostatistics Division Director (Tenured or Tenure-Track Full or Associate Professor)

This newly-created Division Director position will guide academic and research biostatistics in the School. The position includes oversight responsibilities for the Department's biostatistics education programs and Biostatistics Service Center as well as the mentoring of junior biostatistics faculty. The Director will chart the future course of the Division and, consequently, the biostatistics enterprise at the School.

The position also includes research, teaching and service responsibilities, and comes with a tenured or tenure-track faculty line supported by hard dollars. Candidates should be proven scholars with a strong publication record in biostatistics and extensive independent and collaborative research experience. They must also be seasoned educators who have taught a range of statistics courses and mentored graduate students. Individuals with a variety of methodological research areas of interest will be considered.

Drexel is a top-50 private research university and the School of Public Health is the only accredited school of public health in Philadelphia. The Department of Epidemiology and Biostatistics now includes 16 full-time faculty members, seven of whom are biostatisticians.

Apply online at www.drexeljobs.com. Use "biostatistics" as a key word in the Search Postings area and select the appropriate position. Please complete the short on-line application and also submit your c.v. and a cover letter describing your interest, background and qualifications online.

Questions/inquiries can be addressed to:

Craig J. Newschaffer, Ph.D.

Chair, Department of Epidemiology & Biostatistics
cjn32@drexel.edu

Drexel University is an equal opportunity/affirmative action employer.

publichealth.drexel.edu



HARVARD UNIVERSITY DEPARTMENT OF STATISTICS

The Department of Statistics at Harvard University invites applications for multiple tenure-track and tenured positions for the 2012-13 academic year. We seek exceptionally strong candidates at all levels and in any field of statistics and probability, as well as in any interdisciplinary areas where innovative and principled use of statistics and/or probability is of vital importance, and where scientific challenges have provided substantial stimulus and ample testing grounds for the development of advanced statistical and/or probabilistic theory and methodologies.

At the tenure-track level (assistant or associate professor), we seek candidates with strong doctoral records, exceptional teaching and research experience or with the promise of achieving such distinction. At the tenured level (professor), we seek candidates who are internationally renowned scholars with well demonstrated excellence in research, advising, and teaching, particularly for introductory courses.

Applications should include a letter of application, a curriculum vitae, evidence of teaching excellence (e.g., course evaluations, if available), and statements of teaching and research interests. Tenured faculty should submit these materials, along with contact information for at least five references at <https://academicpositions.harvard.edu/postings/3801>. Letters of nomination from third parties are also welcome. Tenure-track applicants should submit these materials and arrange for three references to be sent to <https://academicpositions.harvard.edu/postings/3800>.

Submission of an application by January 15, 2012, will ensure consideration during the current academic year.

We especially encourage applications from, and nominations of, women and underrepresented minority candidates. Harvard University is an Affirmative Action/Equal Opportunity Employer.

Come to your Census

Join the Census Bureau to help produce quality data that enable Americans to better understand our country - its population, resources, economy, and society.

Your work as a Mathematical Statistician at the Census Bureau

- Design sample surveys and analyze the data collected.
- Design and analyze experiments to improve survey questionnaires and interview procedures.
- Improve statistical methods for modeling and adjustment of seasonal time series.
- Perform research on statistical methodology that will improve the quality and value of the data collected.
- Publish research papers and technical documentation of your work.

Requirements

- U.S. citizenship
- Bachelor's, Master's or Ph.D with at least 24 semester hours in math and statistics (see website for more specifics on required coursework)

Apply at www.census.gov, click on Jobs@census, Headquarters and NPC Employment Opportunities, Mathematical Statistician

The U.S. Census Bureau is an Equal Opportunity Employer.

teaching statement, three recommendation letters, and graduate transcripts. Applications received by 01/12/2012 will receive full consideration. Boise State University is an AA/EOE.

Illinois

■ Applications are invited for research assistant professor (non-tenure track). Effective August 16, 2012. Subject to availability of state funding. Applicants must show evidence of outstanding research potential in mathematics/related fields. Expect PhD (or equivalent) by start date. Apply at www.mathjobs.org/jobs/jobs/3139. For full consideration, must be received by December 31, 2011. Minorities, persons with disabilities, and women are particularly encouraged to apply. University of Illinois at Chicago is an AA/EOE.

■ Applications are invited for assistant professor (tenure track) in mathematics. Effective August 16, 2012. Salary negotiable. Expertise in mathematics/

NORC at the UNIVERSITY OF CHICAGO

Innovative solutions in research and technology

NORC conducts high quality social science research in the public interest from its headquarters at the University of Chicago and from its offices in Chicago, IL, Washington, DC, Bethesda, MD, and Berkeley, CA.

We conduct research in economics, demographics, education and child development, health, substance abuse, mental health, justice, and survey quality both in the U.S. and internationally. We offer full-service survey design and operations as well as strengths in analysis, information technology, and technical assistance. NORC supports the research needs of government in the U.S. and abroad, international donor agencies, foundations, academic researchers, and private organizations.

NORC is actively seeking statisticians, survey methodologists, statistical programmers, data managers, survey directors, and social scientists with advanced training or experience in survey research or survey operations. New staff will be based in our Chicago, IL or Washington, DC offices. To learn more about NORC and to apply for employment, visit our website at:

<http://www.norc.org/careers>

NORC is an affirmative action, equal opportunity employer that values and actively seeks diversity in the workforce.



related fields. Demonstrate commitment to research/teaching. Must have PhD (or equivalent) by start date. Subject to availability of state funding. Apply www.mathjobs.org/jobs/jobs/3138. Minorities, persons with disabilities, and women are particularly encouraged to apply. University of Illinois at Chicago is an AA/EOE.

Iowa

■ Iowa State University. Non-tenure-track assistant or associate research professor position at the Center of Survey Statistics and Methodology. Excellent collaborative abilities and communication skills expected. Submit CV, research articles and arrange for three reference letters to Jae-kwang Kim (cssmscrh@iastate.edu). More information at <http://streaming.stat.iastate.edu/cssm>. Iowa State University is an Equal Opportunity/Affirmative Action employer.

Louisiana

■ The department of mathematics of the University of Louisiana at Lafayette is soliciting applications for tenure-track position at the level of assistant professor. Preferences will be given to applicants with a PhD and research focus in the fields of applied statistics or biostatistics. A full description of the position can be viewed at www.louisiana.edu/math. Letters of application should be sent to Kalimuthu Krishnamoorthy, krishna@louisiana.edu. AA/EOE.

Massachusetts

■ Tufts Clinical and Translational Science Institute (Tufts CTSI) is recruiting for a senior statistician to direct the Tufts CTSI Research Design Center (RDC), located in downtown Boston. Responsibilities include providing leadership for the RDC staff, research consulting, mentoring, and collaborating with researchers. Candidates should have a PhD degree, an understanding of biostatistics and study design, and be eligible for associate or full professor appointment. It is the policy of Tufts Medical Center to provide equal opportunity to all applicants for employment and all employees with respect to the administration of personnel policies and practices, including recruitment, hiring, training, promotion, transfer, compensation, benefits,

Cleveland Clinic

Faculty Position in Quantitative Health Sciences

The Cleveland Clinic is seeking an additional faculty member to join its multidisciplinary group in Quantitative Health Sciences. The current group has 19 faculty and over 90 total members and is expected to grow substantially over the next several years. Areas of research application include biostatistics, clinical trials, statistical genetics and bioinformatics, statistical computing, predictive modeling, quality of life assessment, and cost-effectiveness analysis.

Successful candidates must have excellent written and verbal skills with the ability and desire to conduct both collaborative and methodologic research. A doctoral degree with expertise in biostatistics or a related discipline, experience working with large databases, training in methods of analysis of health care status questionnaires (e.g. item-response theory, latent-class analysis, classical test theory, factor analysis), ability and desire to collaborate, strong desire to publish journal articles is required. Expectations are the publication of collaborative papers utilizing Cleveland Clinic Knowledge Program data and the development and publication of new methods of measuring/analyzing health status data. The level of appointment will commensurate with experience of the candidate and may be at the full, associate, or assistant level. This is a 'hard money' position with no explicit requirements to obtain salary support. Masters level statistician support will be provided. Data manipulation and questionnaire programming support will also be provided. Minimal formal teaching is expected.

The metropolitan and suburban areas of Cleveland comprise a population of over 3 million, rich in cultural diversity. The city itself is centrally located to several other large cities yet enjoys a low cost of living index. The Cleveland Clinic is a top-ranked hospital overall and in all specialties and has been the leading heart care center for 17 years.

Interested candidates should e-mail curriculum vitae, the names of at least three references, and a letter summarizing experience and research interests to qhsjobsearch@ccf.org. These and other current openings may be found at <http://www.clevelandclinic.org/qhs>.

THE UNIVERSITY OF HONG KONG



Founded in 1911, The University of Hong Kong is committed to the highest international standards of excellence in teaching and research, and has been at the international forefront of academic scholarship for many years. The University has a comprehensive range of study programmes and research disciplines spread across 10 faculties and about 100 sub-divisions of studies and learning. There are over 23,400 undergraduate and postgraduate students coming from 50 countries, and more than 1,200 members of academic and academic-related staff.

Associate Professor/Assistant Professor in Actuarial Science (Ref.: 201100955)

Applications are invited for appointment as Associate Professor/Assistant Professor in the Department of Statistics and Actuarial Science, from September 1, 2012 or as soon as possible thereafter. The post will initially be made on a three-year term. Appointment with tenure will be considered during the second three-year contract.

Applicants should possess a Ph.D. degree in actuarial science or related disciplines such as applied probability and statistics. Candidates will be preferred if they possess all or some of the following: (i) an actuarial qualification from a recognized professional body of actuaries; (ii) knowledge in the fields of actuarial science and mathematical finance; (iii) teaching experience in actuarial science, probability, stochastic calculus and mathematical finance. Information about the Department and its mission can be obtained at <http://www.hku.hk/statistics>.

The rank offered will be commensurate with experience, publications and on-going research. In line with the University's guideline, the primary criterion for a Professorship is demonstrated excellence in research and scholarship, but evidence of leadership in curriculum and pedagogy development and teaching effectiveness will also be taken into account.

A globally competitive remuneration package commensurate with the appointee's qualifications and experience will be offered. At current rates, salaries tax does not exceed 15% of gross income. The appointment will attract a contract-end gratuity and University contribution to a retirement benefits scheme, totalling up to 15% of basic salary, as well as leave, and medical/dental benefits. Housing benefits will be provided as applicable.

Applicants are requested to apply on-line at <https://jobs.hku.hk>. **Closes January 31, 2012.** Candidates who are not contacted within 3 months of the closing date may consider their applications unsuccessful.

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University of Pittsburgh
Graduate School of Public Health

Department of Biostatistics and
University of Pittsburgh Cancer Institute
Biobehavioral Medicine in Oncology Program and Biostatistics Facility

Assistant, Associate or Full Research Professor in Biostatistics

The Department of Biostatistics in the Graduate School of Public Health and the Biobehavioral Medicine in Oncology Program in the University of Pittsburgh Cancer Institute (UPCI) are recruiting research faculty members to support clinical and pre-clinical research at UPCI, including multiple interdisciplinary biobehavioral studies on the effects of physiological changes on the quality of life of cancer survivors. Applicants should have a Ph.D. in Biostatistics, Statistics, Epidemiology or a related discipline. More information about the biobehavioral research program and the Department of Biostatistics is available at <http://www.upci.upmc.edu/biobehavioral/index.cfm> and <http://www.biostat.pitt.edu>.

The primary appointment will be in the Department of Biostatistics, with rank determined by the experience of the candidate. Teaching and advising students within the Department of Biostatistics is strongly encouraged. UPCI provides support for research on statistical methods applicable to the study of cancer.

Applications received by January 1, 2012 will be considered for the first round of interviews, but the positions will remain open until they are filled. Applicants should submit a cover letter, current curriculum vitae, and names of at least three references to bfrec@pitt.edu. Applications can also be sent by mail to: Faculty Search Committee; Daniel Normolle, Ph.D.; Suite 325; 201 N. Craig St.; Pittsburgh, PA 15213.

The University of Pittsburgh is an equal opportunity, affirmative action employer.
Women and minority candidates are especially encouraged to apply.

disciplinary action, layoff, termination and other terms and conditions of employment, without regard to an individual's actual or perceived race, color, religion, sex, pregnancy, sexual orientation, gender identity or gender expression, national origin, age, disability, veteran status, marital status, genetic traits and any other classification protected by law; and ensure that all employment decisions are based on valid job requirements.

■ Williams College invites applications for two tenure-track positions in statistics, beginning fall 2012, at the rank of assistant professor (in an exceptional case, a more advanced appointment may be considered). We are seeking highly qualified candidates who have demonstrated excellence in teaching and research and who will have a PhD by the time of appointment. Information: Marissa.M.Barschdorf@williams.edu. Williams College is a coeducational liberal arts institution located in the Berkshire Hills of western

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Division of Biostatistics
School of Public Health - University of Minnesota

ASSISTANT/ASSOCIATE/FULL PROFESSOR OF BIOSTATISTICS

The Division of Biostatistics, School of Public Health, at the University of Minnesota is announcing two openings for tenured or tenure-track faculty positions at the Assistant, Associate, or Full Professor rank.

We are especially interested in individuals with academic and research records in (1) Bayesian and other adaptive methods for clinical trials, safety analysis and related applications, and (2) structural equation modeling (SEM), causal analysis, and other methods useful for accounting for latent factors in observational data. Partial salary support for the first position will be provided by Medtronic, Inc., an industry leader in using Bayesian and other adaptive methods in medical device development. We will however consider applications from candidates in other important related research areas, as well as those with PhDs in areas besides biostatistics. The Division has significant strengths in the broad areas targeted by this search, with several faculty members having active research agendas and both methodological and applied funding in areas such as spatial epidemiology, environmental health, cancer control, adaptive clinical trials, and bioinformatics. These grants complement our larger, more collaborative research projects with investigators in the University's Academic Health Center. At the present time, the Division has statistical and data coordinating centers for NIH-funded clinical trials networks in HIV/AIDS, and in lung and cardiovascular disease.

Applications received before December 15, 2011, will be considered for a first round of interviews. However we will continue to accept applications until the positions are filled.

The Division of Biostatistics (www.sph.umn.edu/biostatistics) currently includes 36 graduate faculty and 65 staff. The Division offers MS, MPH, and PhD degrees, and interacts in teaching, advising and research with the University of Minnesota School of Statistics. Current research in statistical methodology includes survival analysis, longitudinal models, generalized linear models, statistical genetics, genomics and proteomics, analysis of spatial and longitudinal data, Bayes and empirical Bayes methods, causal modeling, computer-intensive methods such as Markov chain Monte Carlo, and statistical data mining.

Besides HIV/AIDS, lung and cardiovascular disease collaborations, the Division collaborates actively on research in cancer prevention and treatment, dentistry and periodontology, environmental and occupational health, health policy, chronic disease care and smoking prevention. Multi-year grants and contracts for various Divisional projects total over \$150 M.

A successful candidate will also be responsible for teaching and advising students at the graduate level. At the present time, the Division has 47 graduate students (27 MS and 20 PhD). The salary range for these faculty positions will be very competitive, and the University of Minnesota offers excellent fringe benefits.

Applicants should submit a cover letter, current curriculum vitae, and the names of at least three references online at <https://employment.umn.edu/applicants/Central?quickFind=97965>. Please reference requisition # 174298. In addition, three letters of recommendation should be sent to: Biostatistics Search Committee, Division of Biostatistics, A460 Mayo Building, MMC 303, 420 Delaware Street SE, Minneapolis, MN 55455. For questions contact Sally Olander (brown198@umn.edu).

The University of Minnesota is an equal opportunity educator and employer.

VCU

Virginia Commonwealth University

FACULTY POSITIONS

The Department of Statistical Sciences and Operations Research within the College of Humanities and Sciences at Virginia Commonwealth University invites applications for three faculty positions, pending funding, to begin August 16, 2012. At least one faculty position will be in the area of statistics and at least one faculty position will be in the area of operations research. Two of the positions will be hired at the rank of tenure-track Assistant Professor, and the third position is at an open rank. Candidates must have a clear potential to secure external funding with research interests in any relevant focus, but preference will be given to those with interests in environmental or biological applications, homeland security, financial applications and engineering. Those with methodological expertise in data mining, stochastic processes and simulation are desired. Additionally, statistics candidates with methodology in semi-parametric statistics or nonparametric statistics, or operations research candidates with methodology in optimization and decision and risk analysis are desired. Candidates must have demonstrated experience working in and fostering a diverse faculty, staff, and student environment or commitment to do so as a faculty member at VCU. Ph.D in Statistics, Operations Research or a related field required, and must be completed by August 15, 2012. Incumbent will teach graduate and undergraduate courses, with possible collaborative teaching in related areas. Departmental service will be expected. Candidates applying at the Professor or Associate Professor level must have an established research program and nationally known scholarly activity.

Send vita and three reference letters to **Darcy P. Mays, Chair, Department of Statistical Sciences and Operations Research, 1015 Floyd Avenue, P.O. Box 843083, Richmond, Virginia 23284-3083.** Position open until filled; review begins December 2, 2011.

Virginia Commonwealth University is an Equal Opportunity/Affirmative Action employer. Women, minorities and persons with disabilities are encouraged to apply.



Department of Statistics Tenure-Track Assistant Professor

The George Mason University, Department of Statistics in the Volgenau School of Engineering is seeking candidates for a tenure-track position as Assistant Professor of Statistics.

The candidate should have a Ph.D. in statistics or biostatistics with a potential to conduct cutting-edge research leading to external funding. Research areas of the department include: applied probability, biometric identification, biostatistics, computational statistics, financial statistics, statistical genetics, statistical learning and visualization. The department offers M.S. and Ph.D. degrees in statistical science, and is located in the Volgenau School of Engineering, which occupies a state-of-the-art new building on our rapidly growing campus in the high-tech corridor of northern Virginia. The department recently hired two new senior faculty members and is poised towards substantial research growth. Fairfax is consistently ranked as one of the best places to live and work in the nation, and the campus is 30 minutes from Washington, D.C., by car or subway.

For full consideration, applicants must apply for position number F9546z at jobs.gmu.edu; complete and submit the online faculty application; and upload a cover letter, CV, teaching statement, research statement, transcript, and the names and contact information for three references. Please upload your research statement using the link for Other Docs. The review of applications will begin December 1, 2011, and continue until the position is filled.

George Mason University is an innovative, entrepreneurial institution with national distinction in a range of academic fields. Enrollment is over 32,000, with students studying in over 185 degree programs at campuses in Arlington, Fairfax, Loudoun and Prince William.

George Mason University is an equal opportunity employer encouraging diversity.

Massachusetts. Williams has built its reputation on outstanding teaching and scholarship and on the academic excellence of its students. Beyond meeting fully its legal obligations for nondiscrimination, Williams College is committed to building a diverse and inclusive community where members from all backgrounds can live, learn, and thrive.

■ Postdoctoral fellowships are available in the department of biostatistics at the Harvard School of Public Health. Fellows will engage in methodological research and participate in ongoing collaborative projects. Please view details on specific positions at our website: www.hsph.harvard.edu/departments/biostatistics/fellowship-opportunities. Applications from minority and female candidates are especially encouraged. Harvard University is an AA/EOE.

Mississippi

■ The center of biostatistics and bioinformatics at the University of Mississippi Medical Center has immediate openings for open rank, tenure-track positions. Responsibilities include research, teaching and collaborative activities with opportunities across multiple disciplines including surgery, neurodegenerative diseases and/or medicine. PhD in biostatistics or related field and excellent communication skills are required. Send CV, description of research experience and three references to Sondra Redmont (sredmont@umc.edu). The University of Mississippi Medical Center is an EOE, N/F/D/V.

Missouri

■ At least one tenure-track assistant professor in statistics fall 2012. PhD in statistics or related field by August 15, 2012. Apply at <http://hrs.missouri.edu/find-a-job/academic> with a cover letter, CV and transcripts required; three letters of reference to Search Committee, University of Missouri, Department of Statistics, 146 Middlebush Hall, Columbia, MO 65211 or umcstatfacsearch@missouri.edu. Deadline December 15, 2011. The University of Missouri is an Equal Opportunity/Affirmative Action/ADA Employer.

New Hampshire

■ Professor of biostatistics. Dartmouth Medical School seeks a senior biostatistician at the rank of associate or full professor to conduct innovative methodologic, collaborative research, mentor faculty, and teach biostatistics. Applicants should have a doctoral degree in biostatistics or statistics, have internationally recognized contributions to statistical methods, statistical education, multi-disciplinary collaborative research, and should possess a track record of NIH research funding. Send applications to: *Crystal.Flaherty@Dartmouth.edu*. Dartmouth Medical School is an Equal Opportunity and Affirmative Action Employer. We welcome applications from and will extend equal opportunity to all individuals without regard for gender, race, religion, color, national origin, sexual orientation, age, disability, handicap or veteran status.

New Jersey

■ Department of statistics and biostatistics. Assistant professor positions. The department of statistics at Rutgers University seeks to hire two faculty members at rank of assistant professor. Responsibilities include teaching and research in high-dimensional, high-volume data or in biostatistics. Apply online through the website (*http://statistics.rutgers.edu*), or send CV and three letters of recommendation to Search Committee, Department of Statistics, Rutgers University, Piscataway, NJ 08854-8019. AA/EOE.

New York

■ Andrew Davidson & Co., Inc. is a New York City-based financial consulting firm specializing in mortgage analytics. We are looking for a statistician to work on prepayment, credit and home price models for mortgage and asset-backed securities. Qualifications include a master's degree in any statistical field. Our company information can be found at *www.ad-co.com*. Please send resume to *positions@ad-co.com*. We will contact suitable candidates. AA/EOE.

Ohio

■ The College of Wooster, tenure-track assistant professor of mathematics, fall 2012. Specialty in applied mathematics or

Tenure-Track Professor: Operations Research and Information Engineering Position #15976

Cornell University, located in Ithaca, New York, is an inclusive, dynamic, and innovative Ivy League university and New York's land-grant institution. Its staff, faculty, and students impart an uncommon sense of larger purpose and contribute creative ideas and best practices to further the university's mission of teaching, research, and outreach.

Cornell University's School of Operations Research and Information Engineering (ORIE) seeks to fill tenured/tenure-track faculty positions, with one position (unrestricted in rank) in Financial Engineering (FE), and one or more positions (at the Assistant or junior Associate Professor level) in Applied OR. Applied OR applicants with research interests that intersect strongly with information engineering/technology, or with energy/sustainability, are of primary interest.

Requisite is a strong interest in the broad mission of the School, an ability and willingness to teach at all levels of the program, strong potential for leadership in research and education, and a Ph.D. in Operations Research, Mathematics, Statistics, or a related field by the start of the appointment. Salary will be appropriate to qualifications and engineering school norms.

Cornell ORIE is a diverse group of high-quality researchers and educators interested in probability, optimization, statistics, simulation, and a wide array of applications such as manufacturing, supply chains, scheduling, transportation systems, health care, financial engineering, service systems and network science. We value mathematical and technical depth and innovation, and experience with applications and practice. Ideal candidates will have correspondingly broad training and interests.

Please apply online at:

<https://academicjobsonline.org/ajo/jobs/1058>

Applications received by December 31, 2011 will be given earliest consideration.

ORIE and the College of Engineering at Cornell embrace diversity and seek candidates who can contribute to a welcoming climate for students of all races and genders. Cornell's Dual Career program seeks to meet the needs of dual career couples. We strongly encourage qualified women and minority candidates to apply.



Cornell University
*Cornell University is an affirmative action/
equal opportunity employer and educator.*

FRED HUTCHINSON CANCER RESEARCH CENTER

A LIFE OF SCIENCE

Located in Seattle, Washington, the Fred Hutchinson Cancer Research Center is a world-renowned research institution. The Biostatistics and Biomathematics Program at the Fred Hutchinson Cancer Research Center's Division of Public Health Sciences is recruiting a faculty member in statistical genetics at the Assistant Member level, titles that correspond to Assistant professor at a university. The appointee will be able to interact with an unusually strong group of faculty in statistical genomics and have the opportunity to collaborate with top research in the field.

We are seeking a candidate who will establish a dynamic research program consisting of independent and collaborative research projects pertinent to the mission of the Fred Hutchinson Cancer Research Center. We are looking for researchers with an interest in population genetics, statistical methods for genetic association studies, high-throughput technologies, and other areas in statistical genetics or genomics.

Applicants should have a Ph.D. or equivalent advanced degree in statistics, biostatistics, statistical genetics or another quantitative area with a strong record of, or high potential for, independent methodological research and scientific collaboration. We are looking for a candidate with strong communication and collaboration skills.

An affiliate appointment at the Assistant Professor level in a relevant department at the University of Washington may be possible, depending on mutual interest and involvement with university activities.

A letter summarizing independent and collaborative biostatistical and genetic experience and research interests, a complete CV, and four reference letters should be sent electronically (PDF preferred) to Sandy Ormbrek (*sormbrek@fhcrc.org*). Applications should be received by January 1, 2012 to assure consideration. Later applications may also be considered if the position is not yet filled. The Fred Hutchinson Cancer Research Center and the University of Washington are equal opportunity/affirmative action employers. The two institutions are building culturally diverse faculty and strongly encourage applications from female and minority candidates.

THE UNIVERSITY OF HONG KONG

香港大學



Founded in 1911, The University of Hong Kong is committed to the highest international standards of excellence in teaching and research, and has been at the international forefront of academic scholarship for many years. The University has a comprehensive range of study programmes and research disciplines spread across 10 faculties and about 100 sub-divisions of studies and learning. There are over 23,400 undergraduate and postgraduate students coming from 50 countries, and more than 1,200 members of academic and academic-related staff.

**Tenure-Track Associate Professor/Assistant Professor in
the Department of Statistics and Actuarial Science and the Department of Mathematics
(Ref.: 201100811)**

Applications are invited for appointment as Associate Professor/Assistant Professor in the Department of Statistics and Actuarial Science and the Department of Mathematics, from January 1, 2012 or as soon as possible thereafter. The post will initially be made on a three-year term. Appointment with tenure will be considered during the second three-year contract. This is a joint appointment of the above two Departments.

Applicants should possess a Ph.D. degree or equivalent. Those whose research lies in the broad area of theoretical/applied probability, stochastic analysis, or mathematical finance will be considered. For enquiries on the existing research activities and the specific job requirements, please write to Professor W.K. Li, Head of the Department of Statistics and Actuarial Sciences (e-mail: hmtlwk@hku.hk).

Applicants should indicate clearly the reference number and which level they wish to be considered for.

A globally competitive remuneration package commensurate with the appointee's qualifications and experience will be offered. At current rates, salaries tax does not exceed 15% of gross income. The appointment will attract a contract-end gratuity and University contribution to a retirement benefits scheme, totalling up to 15% of basic salary, as well as leave, and medical/dental benefits. Housing benefits will be provided as applicable.

Applicants are requested to apply on-line at <https://jobs.hku.hk>. Please also upload a C.V. with a detailed publication list, a research plan, and a statement on teaching philosophy via the on-line application system. Review of applications will start from January 31, 2012 and will continue until the post is filled. Candidates who are not contacted within 3 months of the closing date may consider their applications unsuccessful.

The University is an equal opportunity employer and is committed to a No-Smoking Policy



**Department of Health and Human Services
National Institutes of Health
National Institute of Allergy and Infectious Diseases
Biostatistics Research Branch**

The Biostatistics Research Branch at the National Institute of Allergy and Infectious Diseases is seeking candidates with a Ph.D. in statistics or biostatistics. Statisticians in the group have three main functions: conducting independent research on statistical methodology, oversight of large collaborative medical studies, and small-scale collaborations with individual researchers. Collaborative opportunities include bio-defense, HIV/AIDS, immunology, transplantation, vaccine development, and bioinformatics.

The position is a permanent appointment as a Mathematical Statistician. Applicants should send their resume and three references to Dean Follmann Chief BRB at dean.follmann@nih.gov. The vacancy will remain open until filled.



HHS, NIH and NIAID are equal opportunity employers



statistics is desired. PhD required. Typical teaching load includes five courses per year and advising senior independent study projects. Participation in college's interdisciplinary programs, including first year seminar, is expected. Submit applications through mathjobs.org. Review of applications continues until position is filled. EOE.

■ Ashland University invites applications for a tenure-track assistant professor of mathematics position in statistics, beginning August 2012. A PhD in statistics or mathematics, or the equivalent, is required. See <http://personal.ashland.edu/dwick/mathsearch.html> for details. Ashland University meets fully its obligation of nondiscrimination under federal and state laws and is actively committed to diversity in its workplace. Employment will require a criminal background check.

Pennsylvania

■ Penn State's department of statistics - tenure-track positions. Multiple tenure-track positions available in statistics department beginning August 2012. PhD statistics or related field, excellent research and teaching; particulars at www.stat.psu.edu. Please apply at mathjobs.org; or application letter, CV, three recommendation letters to Chair, Search Committee, 326A Thomas Building, University Park, PA 16802-2111. Penn State is committed to affirmative action, equal opportunity, and the diversity of its work force.

■ Departments of statistics and psychiatry at the University of Pittsburgh have tenure-track assistant professor opening, beginning 9/1/2012, pending budgetary approval. Joint position (statistics primary) involves statistical research, collaboration with psychiatric researchers, and teaching. Send CV, transcripts, three recommendation letters to ssi@pitt.edu or Search Committee (SP), Department of Statistics, 2717 Cathedral of Learning, Pittsburgh, PA 15260. The University of Pittsburgh is an Affirmative Action, Equal Opportunity Employer. Women and members of minority groups under-represented in academia are especially encouraged to apply.

■ The statistics department at Temple University invites applications for a tenure-track, associate professor position.

Candidates in any area of statistics must have a PhD in statistics, publications in top-tier journals, teaching excellence, and strong theory/application background. Apply electronically to Sanat Sarkar, *stat.recruiting@temple.edu*, with cover letter, CV, teaching evidence & three recommendation letters. For more information, visit www.fox.temple.edu/dept/statistics. Temple University is an Equal Opportunity/Affirmative Action Employer.

■ Possible tenure-track lecturer, visiting positions. Collegial environment emphasizing disciplinary and cross-disciplinary research and teaching. All areas of statistics welcome. Joint appointments possible with other units in the Pittsburgh area. See www.stat.cmu.edu (email: hireing@stat.cmu.edu). Send CV, research papers, relevant transcripts, and three recommendation letters to Faculty Search Committee, Statistics, Carnegie Mellon University, Pittsburgh, PA 15213. Application screening begins immediately, continues until positions closed.

Department of Statistics Columbia University

Faculty Position Starting Fall 2012

The Department of Statistics invites applications for one or more positions as Assistant Professor in statistics to begin as of July 1, 2012. A Ph.D. in statistics or a related field and commitment to high quality research and teaching in statistics and/or probability are required. Outstanding candidates in all areas are strongly encouraged to apply. Candidates will be expected to sustain an active research and publication agenda and to teach in the departmental undergraduate and graduate programs.

The department currently consists of 20 faculty members, 40 PhD students, and over 100 MS students. The department has been expanding rapidly and, like the University itself, is an extraordinarily vibrant academic community. For further information about the department and our activities, centers, research areas, and curricular programs, please go to our web page at: <http://www.stat.columbia.edu>

Please initiate the application process at <https://academicjobs.columbia.edu/applicants/Central?quickFind=55392>

In addition to creating an application profile and uploading a CV at the Columbia RAPS site, a complete application, to include curriculum vitae, statement of teaching philosophy, one writing sample or publication and 3 letters of recommendation, must also be submitted through Head Hunter at <https://editorialexpress.com/lbbc>

Please note that an application will not be considered complete unless the process is completed in both Head Hunter and the Columbia RAPS system.

Inquiries may be made to dk@stat.columbia.edu

Review of applications begins on December 15, 2011

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University of Illinois at Chicago, Department of Mathematics, Statistics, and Computer Science

The Department has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, combinatorics, mathematical computer science and scientific computing, probability and statistics, and mathematics education. See <http://www.math.uic.edu> for more information.

Applications are invited for the following position, effective August 16, 2012. Final authorization of the position is subject to the availability of state funding.

Research Assistant Professorship. This is a non-tenure track position, normally renewable annually to a maximum of three years. This position carries a teaching responsibility of three courses per year, and the expectation that the incumbent play a significant role in the research life of the Department. The salary for AY 2011-2012 for this position is \$55,000. Applicants must show evidence of outstanding research potential in mathematics, computer science, statistics, mathematics education or related field, and should expect to have a PhD or equivalent degree by the start date.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail. To ensure full consideration, application materials must be received by December 31, 2011, but applications will be accepted through January 31, 2012. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/EOE.



University of Pittsburgh
Graduate School of Public Health

Department of Biostatistics
Tenure-Track Faculty Positions

The Department of Biostatistics in the Graduate School of Public Health at the University of Pittsburgh seeks applicants for two tenure-track positions at the assistant, associate, and/or professor level, to begin in fall 2012 or earlier. We seek outstanding individuals with a commitment to methodological and collaborative research, and teaching. We have particular interest in candidates with research expertise in several areas including, but not limited to, clinical trials, comparative effectiveness, longitudinal data analysis, and observational studies. For further information, please go to www.biostat.pitt.edu.

Formal review of applications will begin December 1, 2011 and continue until the positions are filled. Rank and salary will be determined by the candidate's credentials. New PhDs and postdoctoral fellows are encouraged to apply. Candidates should submit a letter of application, a statement of research and teaching interests, and a curriculum vitae. Candidates should also arrange for three reference letters to be submitted. Electronic applications are preferred and should be sent to biost@pitt.edu. Applications may also be submitted via mail to: University of Pittsburgh Graduate School of Public Health Department of Biostatistics; Biostatistics Faculty Search Committee; Howard Rockette, PhD; 130 DeSoto Street; Pittsburgh, PA 15261.

The University of Pittsburgh is an equal opportunity, affirmative action employer. Women and minority candidates are especially encouraged to apply.

Women and minorities are encouraged to apply. AA/EOE.

Texas

■ The division of statistics and scientific computation at The University of Texas at Austin invites applications for a faculty appointment at the level of assistant, associate, or full professor, to begin in fall 2012. Preference will be given to candidates whose core research interests in statistical methodology are accompanied by evidence of well-developed applied interests. See http://facultyjobs.utexas.edu/potential/view_job.cfm?jobID=1846 for details and instructions. AA/EEO.

■ Assistant professor for 12-month, state-funded, tenure-track position in the department of epidemiology and biostatistics. Qualifications include a PhD, ScD, or equivalent in biostatistics or statistics. Experience in bioinformatics, cancer research and teaching online are a plus. Send cover letter, curriculum vitae, and three references. Search Committee,



A Spectrum of Short-Term Research Opportunities in Statistics

Graduate Intern Program (*No Application Deadline*): Primarily for individuals being trained as statisticians and related professionals who have completed the first year of a master's or Ph.D. degree program.

- Collaborative research for the 12-week to 1-year period is conducted at the U.S. Census Bureau.
- Details: http://www.census.gov/hrd/www/jobs/stu_temp.html.

Dissertation Fellowship Program (*Application Deadline—February 28*): Primarily for doctoral candidates in statistics or related areas who propose for their dissertation to investigate research topics of primary interest to the U.S. Census Bureau.

- Research is conducted and completed at the selected fellow's university/institution.
- Details: www.census.gov/srd/www/DissertationFellowshipTopics.pdf or contact tommy.wright@census.gov.

Postdoctoral Research Program (*Application Deadline—January 31*): Primarily for statisticians and related professionals who have held their Ph.D. (or equivalent) no more than 6 years before the commencement of work as a postdoctoral researcher.

- Collaborative research for the 2-year appointment is conducted at the U.S. Census Bureau.
- Details: <http://www.census.gov/hrd/www/jobs/prp.html> or contact tommy.wright@census.gov.

ASA/NSF/Census Research Fellowship Program (*Application Deadline—December 10*): Primarily for statisticians and related professionals who have recognized research records and considerable expertise in their areas of proposed research.

- Collaborative research for the 6–12 month period is conducted at the U.S. Census Bureau.
- Details: www.census.gov/srd/www/fellweb.html or contact tommy.wright@census.gov.



The Census Bureau is an Equal Opportunity Employer.

SRPH, Department of Epidemiology & Biostatistics, 201 SRPH Administration Building, College Station, TX 77843-1266. www.srph.tamhsc.edu. The Texas A&M Health Science Center is an Equal Opportunity/Affirmative Action employer.

Virginia

■ Programmer. The division of translational research and applied statistics, University of Virginia, is seeking a statistical programmer. Requirements: 2 years experience with proficiency in R/S-Plus, SAS, and Java; bachelor's degree or equivalent in statistics, computer science/engineering or related disciplines. To apply, visit <https://jobs.virginia.edu> and search on posting number 0608805. Complete a profile online, attach a cover letter, curriculum vitae and contact information for three references. The University of Virginia is an Equal Opportunity/Affirmative Action employer. Women and members of minority groups are encouraged to apply.

Washington

■ How would you like to work with cutting-edge technology while helping in the fight against cancer? Cancer Research and Biostatistics (CRAB) is a nonprofit organization whose purpose is to help conquer cancer and other diseases. CRAB offers excellent benefits including medical, dental, vision, 403(b) retirement contribution, life & LTD insurance, and much more. For details of the senior biostatistician position, visit www.crab.org. AA/EOE.

Wisconsin

■ Professor of biostatistics. The department of Biostatistics & Medical Informatics (BMI) at the University of Wisconsin School of Medicine & Public Health seeks applicants for the position of professor of biostatistics. Individuals completing their PhD or currently working as post-docs are encouraged to apply. Application instructions and other information can be found at www.biostat.wisc.edu/Overview/employment.htm. UW-Madison is an EO/AAE employer. We promote excellence through diversity and encourage all qualified individuals to apply.



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The Department of Biostatistics at the Johns Hopkins Bloomberg School of Public Health seeks qualified applicants to join our tenure-track faculty. Rank of appointment will be commensurate with experience and new PhDs and recent postdoctoral fellows are encouraged to apply. Candidates should have a PhD or equivalent in statistics, biostatistics, or a comparable data science field. Department faculty members are committed to education and engage in cutting edge research to advance statistical and quantitative reasoning, methods and discovery in the health sciences.

The Hopkins Department of Biostatistics, founded in 1918, was the first degree-granting department of statistical science in the US and has ranked among the best throughout its history. The Johns Hopkins Health Institutions (Schools of Public Health, Medicine, and Nursing, and the Johns Hopkins Hospital) are among the top worldwide and provide a research environment in which energetic faculty can promulgate scientific excellence. Today, the Department comprises 18 tenure track faculty members, 13 research track faculty members, 8 postdoctoral fellows, 37 PhD students, and 10 full-time master degree students.

TO APPLY

Email cover letter, CV, contact information for three references, a statement of research interests and goals, and two papers representing the applicant's most important work to: Faculty Search Committee at biostat@jhsph.edu. eoe/aa

Women and under-represented minority candidates are particularly encouraged to apply. The Johns Hopkins University is an affirmative action/equal opportunity employer.



Tenure-Track Open Rank Faculty Position in Biostatistics

The University of South Carolina's Arnold School of Public Health is seeking applicants for a tenure-track faculty position at any rank in Biostatistics in the Department of Epidemiology and Biostatistics, with the possibility for leading the Health Sciences Research Core. The Arnold School of Public Health has national prominence in epidemiology and biostatistics, with research funding from NIH, CDC, other federal and state agencies, private foundations, and industry. There is substantial collaborative research with other entities on and off campus, and we expect significant growth in the biostatistics faculty over the next several years.

The successful candidate is expected to have a strong record of publications in biostatistics, of teaching, and of biomedical collaboration. Desired areas of interest include, but are not limited to, design and analysis of clinical research, patient outcomes research, longitudinal and survival modeling, community-based studies, semi-parametric modeling, robust methods, latent variable modeling, and spatial biostatistics, within either a frequentist or Bayesian framework.

The successful candidate will have an interest in the application of statistical methodologies to the Health Sciences and is expected to develop and maintain an active research program and lead or participate in externally funded grants; teach biostatistics courses primarily to graduate students in biostatistics, epidemiology, and other fields; chair and serve on master's and doctoral thesis committees for students in biostatistics and other departments in the Arnold School of Public Health; and participate in a mentoring program in the Division of Biostatistics.

Additional information about the school and department can be found at www.sph.sc.edu/epid_bios. Applications will be considered until the position is filled. Applicants should send a cover letter stating career goals and the relevance of their training and experience to described needs, a current CV, and names and contact information for three references to:

Biostatistics Search Committee, Arnold School of Public Health
800 Sumter Street, University of South Carolina, Columbia, SC 29208
or e-mail to: biostsrch@mailbox.sc.edu

The University of South Carolina is an affirmative action/equal opportunity institution. Women and minorities are encouraged to apply.

International

■ Senior instructor of rank comparable to associate professor position in the Dept. of ISOM, starting January 1, 2012. Excellence in teaching and PhD required by employment start date. The successful applicant is expected to play an important role in teaching and developing business statistics courses for undergraduate and MBA programs of the School of Business and Management. Submit CV and three referees to stat11@ust.hk. The Hong Kong University of Science and Technology is an Equal Opportunity Employer. ■

Corrections

Staff levels at the NCSES were incorrectly stated to have increased on Page 8 of the November issue. We apologize for the error.

Wilfrid Dixon's name was referred to incorrectly on Page 19 of the October issue. We apologize for the error.

www.westat.com

EOE

Survey Sampling Statistician

Westat is an employee-owned corporation headquartered in the suburbs of Washington, DC (Rockville, Maryland). We provide statistical consulting and survey research to the agencies of the U.S. Government and to a broad range of business and institutional clients. With a strong technical and managerial staff and a long record of quality research, Westat has become one of the leading survey research and statistical consulting organizations in the United States.

Our company was founded in 1961 by three statisticians. The current staff of more than 2,000 includes over 60 statisticians, as well as research, technical, and administrative staff. In addition, our professional staff is supported by data collection and processing personnel situated locally and in field sites around the country. The work atmosphere is open, progressive, and highly conducive to professional growth.

Our statistical efforts continue to expand in areas such as the environment, energy, health, education, and human resources. Westat statisticians are actively involved in teaching graduate-level courses in statistical methods and survey methodology in collaborative arrangements with area colleges and universities.

We are currently recruiting for the following statistical position:

Survey Sampling Statistician Job Code 4130BR

Responsibilities include: developing sample designs (determining stratification and allocation to strata; determine sample size based on differences and power; determine optimal clustering; and select sample); selecting and/or constructing appropriate sample frame; developing and documenting weighting plan which includes non-response adjustment and bench-marking; developing and conducting imputation for item non-response and estimating sampling errors using appropriate software; writing specifications for programmers; and preparing reports on sample design, weighting procedures and other methodological issues. Candidates would benefit from knowing SAS and other statistical software packages; although candidates are not required to do programming. A master's or doctoral degree in statistics is required with 3 or more years of relevant experience. Coursework in sample survey design is highly desirable.

Westat offers excellent growth opportunities and an outstanding benefits package including life and health insurance, an Employee Stock Ownership Plan (ESOP), a 401(k) plan, flexible spending accounts, professional development, and tuition assistance. To apply, go to www.westat.com/jobs and enter **4130BR** in the space provided.



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Tenure Track Assistant Professor

The Department of Mathematics, Statistics, and Computer Science has active research programs in a broad spectrum of centrally important areas of pure mathematics, computational and applied mathematics, mathematical computer science, probability and statistics, and mathematics education. See <http://www.math.uic.edu> for more information.

Applications are invited for Tenure Track Assistant Professor positions. The positions are effective August 16, 2012 and the salary is negotiable. Applicants must have a Ph.D. or equivalent degree in mathematics, computer science, statistics, mathematics education or related field, an outstanding research record, and evidence of strong teaching ability. Final authorization of the position is subject to the availability of state funding.

Applicants should provide a vita, research and teaching statements, and at least three (3) letters of recommendation. Applications should be submitted through mathjobs.org. No applications will be accepted by surface mail or e-mail. To ensure full consideration, application materials must be received by November 15, 2011, but applications will be accepted through December 31, 2011. Minorities, persons with disabilities, and women are particularly encouraged to apply. UIC is an AA/EOE.

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Drexel University..... p. 36

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George Mason University p. 41

Harvard University p. 36

Johns Hopkins Bloomberg School of
Public Health p. 46

NIH/NIAID p. 43

NORC..... p. 37

SAMSI p. 35

Travelers p. 39

U.S. Census Bureau.....p. 37, 45

The University of Hong Kongp. 38, 43

University of Illinois at Chicago.....p. 44, 47

University of Minnesota..... p. 40

University of Pittsburghp. 39, 45

University of South Carolina..... p. 47

Virginia Commonwealth University..... p. 41

Westat..... p. 47

Williams College p. 35

software

Cytel Inc..... p. 25

Minitab Inc. p. 22

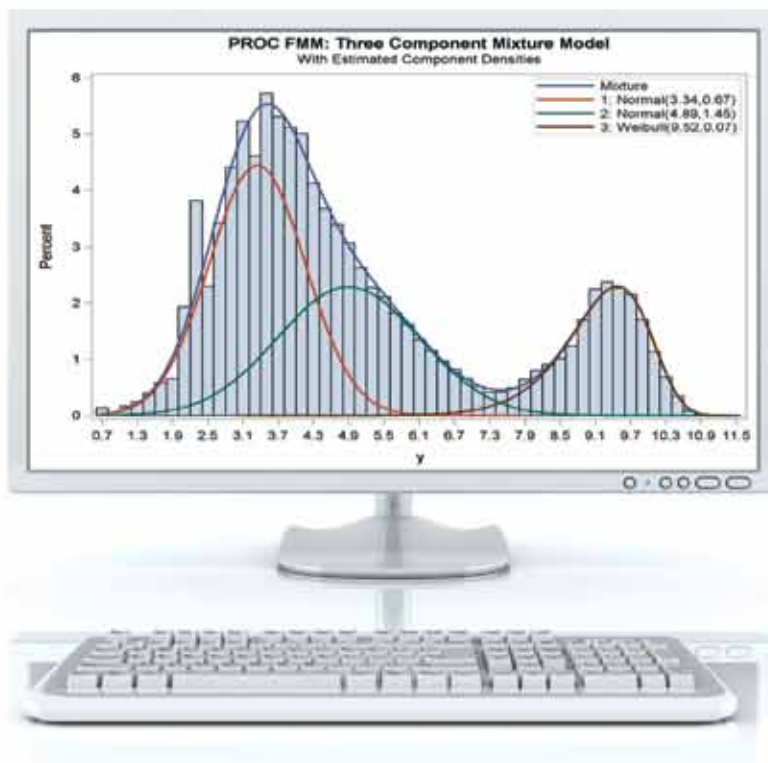
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