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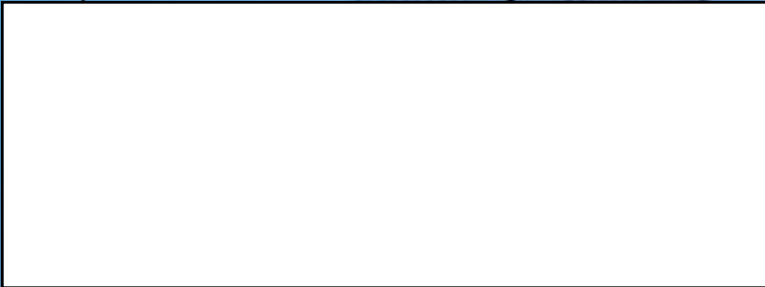
Statisticians Seen, Heard at Human Rights Coalition Launch

ALSO:

Statistics Workshop for
K-12 Mathematics,
Science Teachers Back
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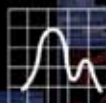


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To be a world leader in promoting statistical practice, applications, and research; publishing statistical journals; improving statistical education; and advancing the statistics profession

MISSION STATEMENT

Support excellence in statistical practice, research, journals, and meetings. Work for the improvement of statistical education at all levels. Promote the proper application of statistics. Anticipate and meet the needs of our members. Use our discipline to enhance human welfare. Seek opportunities to advance the statistics profession.

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Column Contributors

Funding Opportunities

What the Stimulus Could Mean for Statistics Funding

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Keith Crank, assistant director for research and graduate education at the ASA, writes about activities in the Washington, DC, area that are of interest to ASA members. These brief articles include information about new research solicitations and the federal budget for statistics. Comments or suggestions for future articles may be sent to keith@amstat.org.



Crank

Crank has a BS in mathematics education and an MS in mathematics from Michigan State University and a PhD in statistics from Purdue University. Prior to joining the ASA, he was a program officer at the National Science Foundation, primarily in the probability program.

Science Policy News

State of ASA's Science Policy

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Pierson

Stephen W. Pierson, the ASA's director of science policy, reports on what the ASA is doing to promote the inclusion of statistics in policymaking and the funding of statistics research. To suggest science policy topics for the ASA to address, contact Pierson at pierson@amstat.org.

Pierson earned his PhD in physics from the University of Minnesota. He spent eight years in the physics department of Worcester Polytechnic Institute and later became head of government relations at the American Physical Society.

QUOTABLE

“... if you are a biostatistician, the kind of analyst who sifts through the findings of medical studies, you can write your own ticket.”

Melissa S. Fireman, president of Washington Career Services,
www.washingtonpost.com March 4, 2009

DEPARTMENTS

35 **Meetings**

Getting Media Attention for Your JSM Session

Participants Needed for the JSM 2009 'DC Duke-Out'

Fun, Informative Tours Lined Up for JSM

40 **Education**

Statistics Workshop for K-12

Mathematics, Science

Teachers Back During JSM

Judges Wanted for Project Competition

Opportunities Abound in USCOTS Satellite Workshops, Cluster Groups



Fun, Informative Tours Lined Up for JSM
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Recognizing the ASA's Longtime Members

The American Statistical Association would like to thank our long-time members, with the continuing tradition of honoring those members who joined the association 35 years ago or more. This year, we recognize the following members for their distinguished and faithful membership.

If you are a longtime member and will be attending the 2009 JSM in Washington, DC, please join us for a reception in your honor. If your name is not below and you believe it should be included, please contact Jana Sabol at jana@amstat.org to correct your record.

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35–39 Years

Robert D. Abbott	Corwin L. Atwood	Kenneth N. Berk	Dean S. Bross	Raj S. Chhikara	John R. Crigler
Judith Abrams	Agustin F. Ayuso	Jose Miguel Bernardo	Rocco L. Brunelle	Joan Sander Chmiel	Suzanne L. Cross
Lee R. Abramson	Abdolrahman Azari	Bibhuti B. Bhattacharyya	Peter G. Bryant	Jai Won Choi	John J. Crowley
C. J. Adcock	Leroy Bailey	Wayne F. Bialas	Maurice E. Bubb	Adam Chu	Andrew Joseph Cucchiara
Frances J. Adox	Saad T. Bakir	William T. Bielby	Shirrell Buhler	William S. Cleveland	L. Adrienne Cupples
Robert A. Agnew	Asit K. Banerjee	Lynne Billard	Linda E. Bundick	Loren Cobb	Robert D. Curley
Alan Agresti	Vincent P. Barabba	Stephen F. Bingham	Richard K. Burdick	Timothy C. Coburn	Lester R. Curtin
Yahia Z. Ahmed	William A. Barnett	Jeffrey B. Birch	Eugene M. Burns	Guy M. Cohen	Gary R. Cutter
Per A. T. Akersten	John L. Barone	David S. Birkes	John M. Bushery	Morris N. Cohen	Andrew I. Dale
Arthur E. Albert	Mary K. Barrick	Thomas A. Bishop	Patricia L. Busk	Steven B. Cohen	Prithwis Dasgupta
Mir Masoom Ali	Robert H. Bartels	John A. Blessing	Lawrence S. Cahoon	James J. Colaianne	William W. Davis
Mukhtar M. Ali	Michael J. Barthel	Harvey Blumberg	Gregory Campbell	Bernard Colin	Beth K. Dawson
Francis B. Alt		Lennart Bodin	Grant D. Capps	John R. Collins	Roberta W. Day
Stan Altan	Richard A. Becker	Robert J. Boik	William L. Carlson	Alan P. Colonna	R. B. Deal
Alfred Jerry Anderson	James Beckett	James A. Bolognese	Raymond J. Carroll	Robert J. Condon	Jose R. Deliz
Dallas W. Anderson	James C. Beebe	James T. Bonnen	Walter H. Carter	Loveday L. Conquest	David L. DeMets
Robert J. Anderson	Mary S. Beersman	Dennis Boos	Frank C. Castronova	Kimon J. E. Constas	Susan J. Devlin
Sharon Anderson	David R. Bellhouse	Marie V. Bousfield	David D. Chapman	Margaret D. Copenhaver	Thomas F. Devlin
Robert L. Andrews	Kerry G. Bemis	Gordon J. Brackstone	Judith-Anne W. Chapman	Thomas W. Copenhaver	Jay L. Devore
Lawrence Annable	Jacqueline Benedetti	Edwin L. Bradley		Thomas W. Copenhaver	Pamela G. Doctor
W. Tad Archambault	Vernon A. Benignus	Larry J. Brant	Sangit Chatterjee	Paul L. Cornelius	Allan P. Donner
Taka Ashikaga	Roger L. Berger	Ellen F. Brewer	Yogendra P. Chaubey	Robert J. Costello	Darryl J. Downing
Linda P. Atkinson	Timothy M. Bergquist	Camilla A. Brooks	Robert D. Chew	Brenda G. Cox	Michele Dramaix-Wilmet
				Giles L. Crane	Dennis A. DuBose

35-39 Years

Joseph W. Duncan	Nicholas I. Fisher	Howard S. Gitlow	Nancy R. Hall	Elizabeth T. Huang	Masatoshi Katsuhara
Ann Durand	Andrew J. Flatt	Dennis R. Givens	Philip Hanser	Lawrence J. Hubert	Richard W. Katz
Michael G. Dworkin	Nancy Flournoy	Samuel V. Givens	Frank E. Harrell	Mark L. Hudes	Robert M. Katz
Keith R. Eberhardt	Mary A. Foulkes	Marcia A. Glauberman	Diane S. Harry	Bernhard H. Huitfeldt	Irwin L. Kellner
William F. Eddy	James Alan Fox	John R. Gleason	Galen F. Hart	Dar-Shong Hwang	Roswitha E. Kelly
Brenda Kay Edwards	John D. Fox	John R. Gleason	Kenneth R. Hartmann	David N. Iklé	Sheryl F. Kelsey
Benjamin H. Eichhorn	Martin D. Fraser	Frederick P. Glick	Ronald W. Hawkinson	Duane M. Ilstrup	James L. Kenkel
Janet D. Elashoff	Daniel H. Freeman	James H. Godbold	Joan G. Haworth	Ronald L. Iman	Ralph L. Kent
M. Nabil El-Khorazaty	Carol L. French	Matthew Goldstein	Richard M. Heiberger	Allen E. Izu	Douglas W. Kess
Kathleen Louise Emery	David Frontz	James H. Goodnight	Lance K. Heilbrun	Kirk A. Jackson	Ruth Ann Killion
Wil B. Emmert	Mark C. Fulcomer	J. Douglas Gordon	Karl W. Heiner	William E. Jackson	Yong S. Kim
Kurt Enslein	Howard N. Fullerton	Louis Gordon	Donald E. Herbert	Eva E. Jacobs	David L. Kimble
William H. Epstein	Barbara A. Gabianelli	Robert D. Gordon	James L. Hess	Sreenivasa Rao Jammalamadaka	Charles L. Kincannon
Eugene P. Ericksen	Maximo C. Gacula	Jerren Gould	Eugene R. Heyman	David Jaspén	Albert J. Kinderman
Roger Erickstad	Mitchell H. Gail	Spencer B. Graves	James J. Higgins	Robert W. Jernigan	Roland E. King
James W. Evans	Edward J. Gainer	Jeffrey J. Green	Steven C. Hillmer	Robert W. Jernigan	Albert Kingman
Milton C. L. Fan	Richard Gaines	Timothy A. Green	Klaus Hinkelmann	Clifford L. Johnson	Ignatius A. Kinsella
Thomas B. Farver	Stephen J. Ganocy	John V. Grice	David V. Hinkley	Earl S. Johnson	Roger E. Kirk
Alan Fask	Daniel J. Gans	Marvin H. J. Gruber	David C. Hoaglin	Ian T. Jolliffe	Nancy J. Kirkendall
Gerald M. Fava	Turkan K. Gardenier	Joseph A. Guarnieri	Raymond G. Hoffmann	Edward R. Jones	Rudolf G. Kittlitz
Robert E. Fay	Alan E. Gelfand	Victor M. Guerrero	Theodore R. Holford	Paul K. Jones	Beat Kleiner
S. Abdul Fazal	John F. Geweke	Shelby J. Haberman	Alan Hopkins	David C. Jordan	Theodore F. Kneisler
Ronald S. Fecso	Glenn H. Gilbreath	Hermann Habermann	Stephen C. Hora	Henry D. Kahn	Ralph L. Kodell
Martin Feuerman	David E. A. Giles	Timothy O. Haifley	David C. Howell	John D. Kalbfleisch	Kenneth J. Koehler
David F. Findley	Phyllis A. Gimotty	James L. Hall	Ina P. Howell	William D. Kalsbeek	Kenneth J. Kopecky
Alan C. Fisher	John D. Gins	James L. Hall	Thomas C. Hsiang	Howard S. Kaplon	Neal Koss
				Joseph D. Kasile	Ioannis A. Koutrouvelis
				Daniel Kasprzyk	

Mary Grace Kovar	Bruce Levin	Timothy A. Max	David R. Morganstein	Melvin L. Ott	Forrest H. Pollard
James A. Koziol	Donald Lewin	Margaret W. Maxfield	Max D. Morris	Willis L. Owen	Stephen L. Portnoy
Andrew Kramar	Charles Lewis	Lou A. McAdams	Michael L. Mout	Maurice E. B. Owens	Frank J. Potter
Abba M. Krieger	David L. Libby	Ennis D. McCune	Robb J. Muirhead	William S. Pan	Dale L. Preston
S. David Kriska	Gary L. Liberson	Joseph W. McKean	Henry D. Muse	S. Panchapakesan	Kevin Price
Robert Kushler	Albert M. Liebetau	John D. McKenzie	Krishnan Namboodiri	Arthur C. Papacostas	Bela Prigly
Alan H. Kvanli	Lawrence I-Kuei Lin	Robert G. McMillan	Subhash C. Narula	Swamy A. V. B. Paravastu	Thomas W. Pullum
John M. Lachin	Greta M. Ljung	Jeff B. Meeker	Sufi M. Nazem	Sung H. Park	John N. Quiring
Son Lin Lai	Michael T. Longnecker	William Q. Meeker	Elliott Nebenzahl	Leonard J. Parsons	Alfred W. Rademaker
Nan Laird	Thomas A. Louis	John T. Neely	James W. Neill	Van L. Parsons	Philip H. Ramsey
Diane Lambert	Gene R. Lowrimore	James R. Meginniss	Charles R. Nelson	Jagdish K. Patel	Calyampudi R. Rao
Lynn Roy LaMotte	Donald M. Luery	Robert J. Meier	Margaret A. Nemeth	Kenneth W. Patterson	Rose M. Ray
Carol J. Lancaster	George W. Lynch	Gayle T. Meltesen	H. Joseph Newton	N. Shirlene Pearson	William J. Raynor
J. Richard Landis	Brian V. MacPherson	Roy Mendelssohn	Kai Wang Ng	Raymond C. Peck	Susan L. Reiland
Per Lange	Jennifer H. Madans	Terry G. Meyer	Earl Nordbrock	Michael D. Perlman	Thomas Reiland
Robert L. Launer	Edward R. Mansfield	Richard O. Michaud	Julia A. Norton	Peter H. Peskun	Louise C. Remer
Kenneth D. Lawrence	Charles F. Manski	Mary-Jane Mietlowski	Marija J. Norusis	Arthur V. Peterson	Alvin C. Rencher
Sheila M. Lawrence	Dennis R. Mar	John A. Miller	El-Sayed E. Nour	A. John Petkau	Kenneth J. Resser
Clifford J. Lee	Michael J. Margreta	Satish Chandra Misra	David Oakes	Maurice Pfannestiel	Janet C. Rice
Kelvin K. Lee	Mary A. Marion	Noel R. Mohberg	Ralph G. O'Brien	Charles G. Pfeifer	John A. Rice
Kerry L. Lee	Ronald G. Marks	Roderick Montgomery	Michael W. O'Donnell	Charles B. Pheatt	William C. Rinaman
James D. Leeper	Donald L. Marx	Katherine L. Monti	Morris Olitsky	Philip J. Pichotta	Richard D. Rippe
Stanley A. Lemeshow	Robert L. Mason	David S. Moore	Bernard V. O'Neill	Linda Williams Pickle	Paula K. Roberson
Russell V. Lenth	Frances J. Mather	John K. Moore	Leonard Oppenheimer	Carl E. Pierchala	Rosemary A. Roberts
Russell V. Lenth	Takashi Matsui	Thomas F. Moore	Joyce Orsini	Neil W. Polhemus	Jeffrey A. Robinson
Heryee H. Leong	Victor M. Matthews				Frank W. Rockhold
Trudy J. Lerer					
Martin L. Lesser					
Marcia J. Levenstein					

35-39 Years

Robert N. Rodriguez	Nancy K. Schatz	Albert P. Shulte	Donna F. Stroup	Merlin L. Utter	William L. Weber
Russell H. Roegner	Joyce A. Schlieter	Jagbir Singh	Perla Subbaiah	Naomi M. Vaisrub	William E. Wecker
John E. Rolph	Josef Schmee	John H. Skillings	James P. Summe	Richard L. Valliant	Thomas E. Wehrly
Paul R. Rosenbaum	Mildred E. Schmidt	Donald J. Slymen	Richard A. Sundheim	Joseph Van Den Reysen	William W. S. Wei
James L. Rosenberger	John D. Schmitz	Stephen C. Smeach	Robert Sutherland	Kerstin Vannman	Lynn Weidman
Bernard Rosner	David A. Schoenfeld	Robert K. Smidt	Gerald R. Swope	Niels H. Veldhuijzen	Daniel L. Weiner
N. Phillip Ross	Friedrich W. Scholz	Murray H. Smith	Richard J. Sylvester	Paul F. Velleman	Sanford Weisberg
Dwight N. Rousu	Gordon L. Schooley	Patricia L. Smith	Ajit C. Tamhane	Hrshikesh D. Vinod	K. Laurence Weldon
Roch Roy	Jack F. Schreckengost	William A. Sollecito	Richard D. Terrell	Frederic A. Vogel	Jon August Wellner
Estelle Russek-Cohen	Eugene F. Schuster	Grant W. Somes	Peter F. Thall	Kenneth W. Wachter	Roy E. Welsch
Carl T. Russell	Neil C. Schwertman	John David Sparkes	Lawrence A. Thibodeau	A. Cole Thies	Fredrick S. Whaley
Barbara J. Rutledge	Alastair J. Scott	Bruce D. Spencer	Ronald A. Thisted	Dennis D. Wackerly	James P. Whipple
Thomas P. Ryan	Stuart Scott	M. K. Srirama	Jeannie G. Thomas	Hajime Wago	Owen Whitby
Thomas W. Sager	William L. Seaver	Robert R. Starbuck	John M. Thomas	Preston J. Waite	David G. Whitmore
John J. Salera	Jeanne L. Sebaugh	Bert Steece	Carol B. Thompson	Joseph J. Walker	Howard L. Wiener
John P. Sall	Joseph Sedransk	Lynda K. Steele	Steven F. Thomson	Sylvan Wallenstein	Rand R. Wilcox
Francisco J. Samaniego	Subrata K. Sen	Frank C. Stetzer	Jerome D. Toporek	Chao Wang	Wanda C. Wilkes
Allan R. Sampson	Jayaram Sethuraman	Charles C. Stewart	Lynn D. Torbeck	George H. Wang	Jean F. Williams
Paul D. Sampson	Glenn R. Shafer	Gerald R. Stewart	Robert D. Tortora	James F. Ward	William J. Wilson
Douglas A. Samuelson	Juliet Popper Shaffer	John A. Stewart	Robert D. Tortora	Sophonria W. Ward	Lawrence C. Wolfe
Thomas J. Santner	Paul Shaman	Robert L. Stout	Ishwari D. Tripathi	James H. Ware	Kirk M. Wolter
Harold E. Sargent	Michael W. Sherrill	Miron L. Straf	James P. Tuck	John Warren	Mark C. Yang
Richard L. Sawyer	Ronald E. Shiffler	Robert F. Strahan	Alan R. Tupek	Stanley Wasserman	Eric R. Ziegel
Patricia A. Scanlan	Shingo Shirahata	Michael M. Strand	Bruce W. Turnbull	Christine M. Waternaux	James R. zumBrunnen
		Stephen A. Straub	David L. Turner	Tommy D. Waters	
			Neil R. Ullman	Larry S. Webber	

Visibility and Impact in Policy Making: The ASA's Valuable Voice

The objective of the “Visibility and Impact in Policy Making” plank of the American Statistical Association’s strategic plan is “to promote the need for sound statistical practice to inform decision-making in public policy and science policy.” To achieve this objective, we must determine when and how the ASA should speak in science policy and public policy arenas, how to maintain our scientific objectivity in debates that are inherently political, and how to ensure ours is a voice that adds value. Our association has made considerable strides in this area due to the contributions of many.

Former ASA President Sallie Keller-McNulty launched the Science Policy Task Force in 2006, explaining its charge in her July 2006 *Amstat News* president’s column, and our next president, Mary Ellen Bock, extended the task force’s term through 2007. Specifically, the task force was charged to do the following:

- Investigate the feasibility of the ASA’s formally entering the science policy arena and, if feasible, develop a plan and justification for such action

- Extend ASA activities in public policy, particularly in the science policy arena so the ASA can exert greater influence on national research directions

Keller-McNulty challenged us by asking, “Is the ASA ready to establish a (stronger) voice in science policy?” The association considered that question via the task force recommendations and other input. I believe we answered with a resounding “yes,” as evidenced by the recent upsurge in both science policy and public policy activities. I note that this is not a new area for the association—the ASA has long been involved in such activities, as Virginia de Wolf and Mary Foulkes pointed out in the President’s Invited Column, titled “Science Policy and the ASA,” in the November 2007 issue of *Amstat News*. As they noted, however, we are experiencing a “renewed” and “exciting” focus on science policy.

The ASA is fortunate to have hired Steve Pierson as its first director of science policy in March of 2008. Pierson was previously the head of government relations at the American Physical Society. Since joining the ASA, he has been at the forefront of increasing and refining the ASA’s voice in the policy milieu. He is joined in this venture by committees that have key policy links, such as the Scientific and Public Affairs Advisory Committee and the Committee on Federally Funded Research, as well as the ASA’s members, board, and staff.

The ASA lends support and exerts influence via a variety of

methods. The first is the ASA statement on an issue of particular concern, which requires ASA Board approval. A statement is communicated to the membership through *Amstat News* and to a wider audience via press releases and the ASA web site. In the last two years, we have released four statements concerning the following:

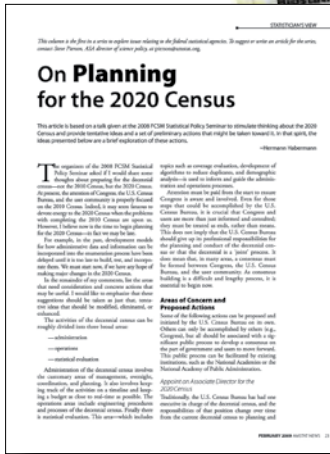
- Data access and personal privacy: appropriate methods of disclosure control
- Election integrity
- The United Nations (UN) Intergovernmental Panel on Climate Change (IPCC) Fourth Assessment Report
- The American Association for the Advancement of Science (AAAS) resolution regarding intelligent design and evolution

The second method is a letter. We have written letters supporting general funding for science research and for specific agencies, including the National Science Foundation (NSF), the National Institutes of Health (NIH), the National Center for Health Statistics, and the U.S. Census Bureau. We have supported legislation to make



Sally C. Morton

February
Amstat News
issue



column in *Amstat News*. He also invites people to write articles exploring issues relating to federal statistics agencies, the first of which appeared in the February 2009 issue: "On Planning for the 2020 Census," by Hermann Habermann.

The ASA serves not only its membership, but also the discipline and society, and we have been successful in gaining momentum in policy forums. However, projecting a louder voice is not without its challenges. We must protect and use our scientific integrity carefully. The ASA is a scientific society with a focused mission of promoting "the proper application of statistics," using "our discipline to enhance human welfare," and seeking "opportunities to advance the statistical profession," among other goals. We have a responsibility to recommend and support an "appropriate share of public funding for scientific research and education," as stated in our strategic plan. We must make a decision to speak based on an established procedure and then do so in a transparent manner that allows open debate.

If we are to increase the visibility of statistics, and show its relevance and potential impact on policy making, we must add our voice. We must recognize the unique value of that voice and the importance of using it wisely and sparingly. As always, I welcome your thoughts about this issue and any others. Thank you.

the U.S. Census Bureau independent and written to encourage the Obama administration to appoint the new census director quickly (see Page 21). Interested readers are encouraged to peruse the science policy portion of the ASA's web site at www.amstat.org/outreach/scipolicy.cfm.

The third method is direct interaction. To increase communication between the statistics community and government agencies, the ASA president, president-elect, past president, executive director, and director of science policy visit government agencies prior to each quarterly board meeting. Visits since March 2007 have included the Department of Defense, the Office of Naval Research, the NIH, the Environmental Protection Agency, the Food and Drug Administration, the NSF, and the U.S. Census Bureau. The ASA is committed to continuing these visits, and I welcome suggestions for other agencies to visit.

Additionally, the association has begun a dialogue with the Interagency Council on Statistical Policy, particularly about the challenges of building and maintaining a significant pipeline of statisticians for the federal statistics system.

The fourth method is dialogue with members. Pierson communicates with the membership about policy issues via his regular

Don't Forget to Vote

Wait for your ballot to arrive by email.*
Voting ends at midnight on May 15, 2009.

Candidates for ASA Board of Directors

President-elect

Nancy Geller, Office of Biostatistics Research, National Heart, Lung, and Blood Institute, National Institutes of Health

Clyde Tucker, Bureau of Labor Statistics

Vice President

Roderick Little, University of Michigan School of Public Health

David W. Scott, Rice University

Council of Sections Board Representative

Jessica Utts, University of California, Irvine

Constance Citro, Committee on National Statistics

Council of Chapters Board Representative

Thomas H. Short, Empire State Development

David Webb, U.S. Army Research Laboratory

*Those with email address not on file with the ASA will be sent a ballot by mail.

ASA Becomes Official 2010 Census Partner

The American Statistical Association recently became an official 2010 Census Partner, working with the U.S. Census Bureau to help ensure a full and accurate count and to support the goals of the 2010 census.

The ASA agreed to become a partner after three ASA presidents visited the bureau in December. "Because the [U.S.] Census Bureau is the largest federal statistical agency, we felt it was imperative to be as supportive as possible of the 2010 census, which is the nation's largest peacetime mobilization," said ASA President-elect Sastry Pantula.

"The accuracy and completeness of census data are critical to decisionmakers," said Sally Morton, current ASA president. "Accurate census data drive the engine of good public policy. Not only do census data influence how trillions of dollars will be spent over the next 10 years, the data also help shape decisions about such services as public health, education, and transportation."

Peter Lachenbruch, the ASA's president in 2008, said, "As a partner of the 2010 Decennial Census, we hope that we can also educate people about the importance of filling out and returning the questionnaire." He noted that "part of this is reminding people that all responses are confidential. Census employees regard privacy as paramount and only report data in aggregated reports, which makes identification impossible."

The goal of the U.S. Census Bureau's Partnership Program is to combine the strengths of local governments, community-based organizations, faith-based organizations, schools, media, businesses, and others to ensure a complete and accurate 2010 Census. The bureau will provide promotional materials, regular updates, and data assistance to help in this effort. Through its partnerships, the bureau hopes to ensure the 2010 Census message is delivered to every corner of the nation.

As an official partner, the ASA will do the following:

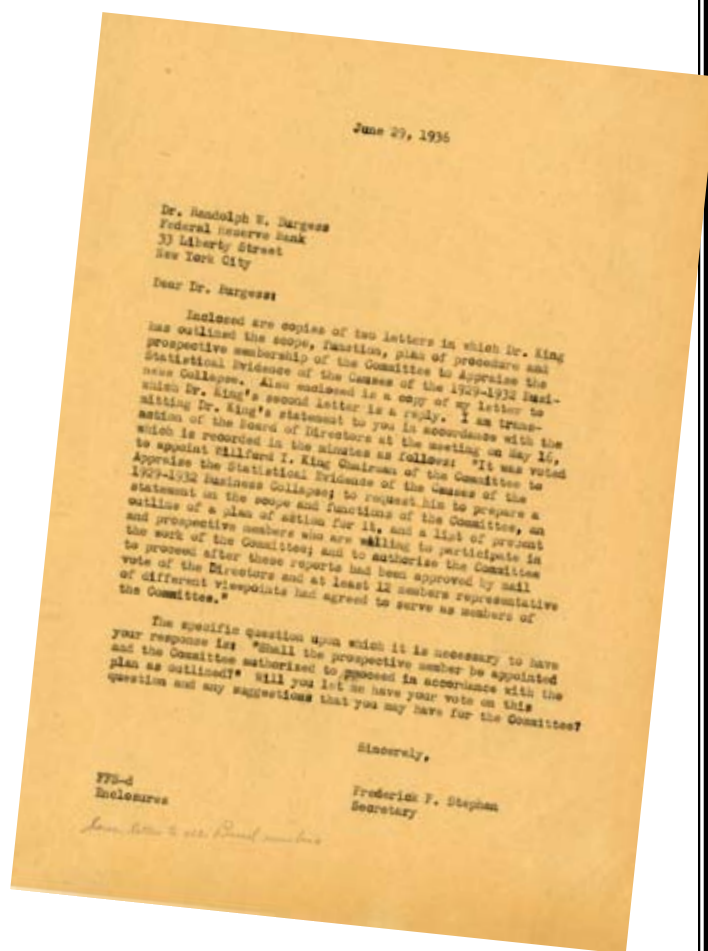
- Provide an ASA liaison to the U.S. Census Bureau

- Promote awareness of the 2010 Census to its 18,000 members

- Use its web site and publications to remind members to return census questionnaires on time

For up-to-date information about the 2010 Census, visit <http://2010.census.gov/2010census>. ■

Treasures from the ASA Archives



June 1936 letter about the formation of the "Committee to Appraise the Statistical Evidence of the Causes of the 1929-1932 Business Collapse." American Statistical Association Records, MS 349, Special Collections Department, Iowa State University Library.

The URL for the archive is www.lib.iastate.edu/spcl/manuscripts/MS349.html.

If you have questions, email spclref@iastate.edu or call (515) 294-6672.

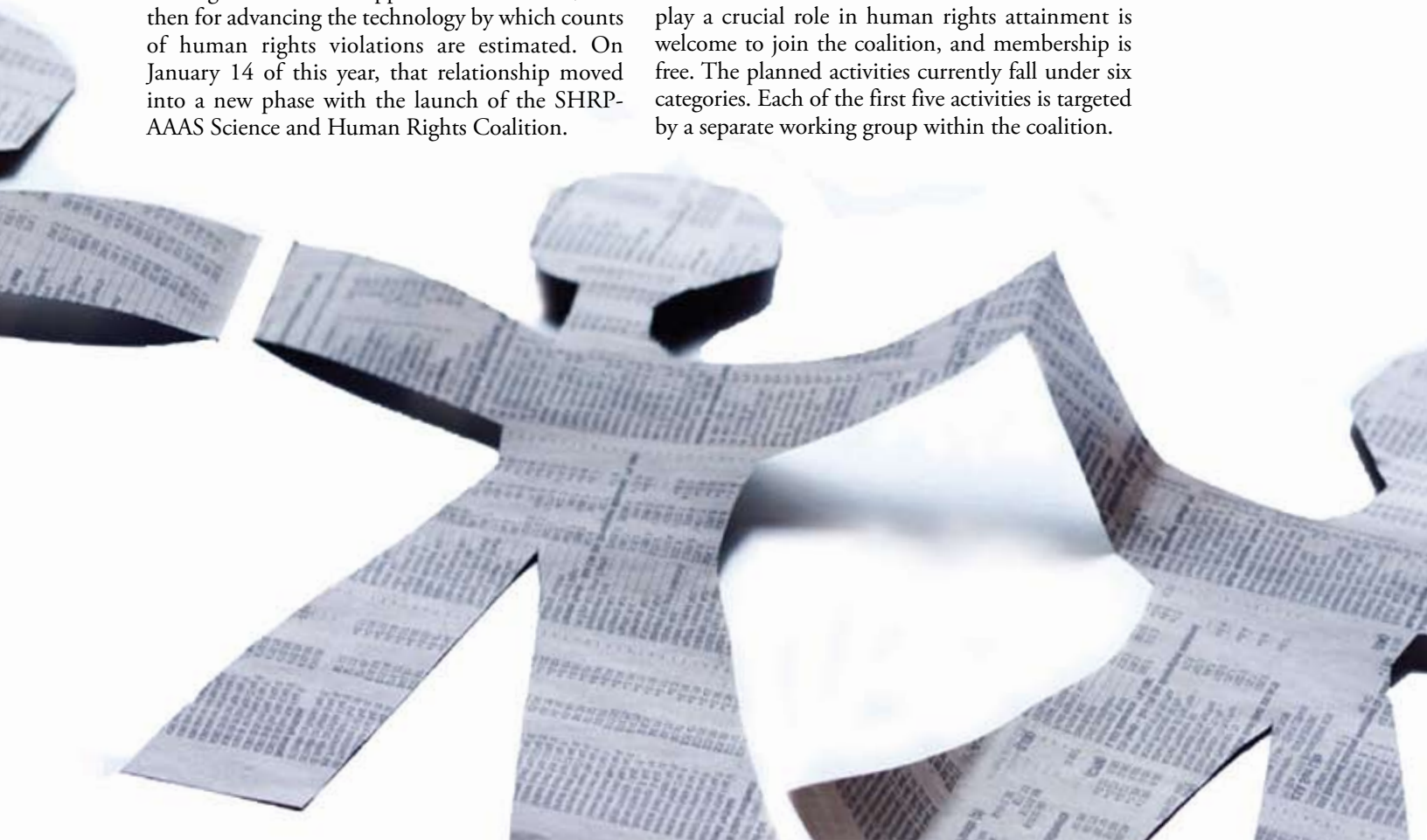


Statisticians Seen, Heard at Human Rights Coalition Launch

Jana Asher

Statisticians have been involved in projects related to human rights for decades, and since the late 1970s, the American Statistical Association has officially sanctioned those activities via its Committee on Scientific Freedom and Human Rights (CSFHR). For most of that time, there has been a working relationship between the Science and Human Rights Program of the American Association for the Advancement of Science (SHRP-AAAS) and CSFHR, first during investigations into “disappeared” statisticians, and then for advancing the technology by which counts of human rights violations are estimated. On January 14 of this year, that relationship moved into a new phase with the launch of the SHRP-AAAS Science and Human Rights Coalition.

The product of more than two years of planning and hard work, the Science and Human Rights Coalition is a network of scientific professional societies united in their dedication to human rights. The aim of the coalition is to encourage the development of human rights awareness within scientific organizations, foster partnerships for human rights goals between those organizations, and facilitate and strengthen communication between the scientific and human rights communities. Any scientific association or individual scientist who believes scientists play a crucial role in human rights attainment is welcome to join the coalition, and membership is free. The planned activities currently fall under six categories. Each of the first five activities is targeted by a separate working group within the coalition.



Welfare of Scientists

One of the oldest roles of human rights committees within scientific organizations, including the ASA, has been to pursue justice for scientists who have been denied their basic human rights. In the case of the ASA, such work has included investigating the “disappearances” of statisticians in Argentina who did not alter their statistics as desired by the ruling military party and fighting the revocation of academic degrees of Jewish statisticians by the Soviet Union. The coalition aims to increase the number of scientific organizations involved in these types of efforts, circulate information about persecuted scientists, and determine best practices for advocating for those scientists.

Science Ethics and Human Rights

This working group strives to link international human rights principles with ethics codes across scientific disciplines. Its planned activities include reviewing the ethics codes of member scientific societies to determine which best incorporate human rights principles into scientific ethics and practice, developing a list of exemplar ethics codes based on that review, and encouraging internal review board processes and human research practices that are grounded in a human rights framework.

Service to the Scientific Community

Although the ASA and many other professional societies have long-standing committees or working groups on human rights, other scientific organizations do not and are interested in helping to establish human rights as a priority. Many organizations do not have knowledge of the existing human rights community or how practitioners of their scientific discipline can contribute to human rights attainment. This working group focuses on outreach to scientific organizations via mentoring activities and training and compiles resources for introducing human rights into discipline-specific curriculum and practice.

Service to the Human Rights Community

Many, if not all, scientific disciplines can be used to advance human rights. In the case of statistics, random sample surveys have been used to document human rights abuses or gather information to assist in human rights attainment. Statistical

modeling and other analysis techniques have been used to prosecute war criminals or disprove arguments about the value of dictatorial governments. It is therefore not surprising that the organizing core of this working group included three statisticians and ASA members: Susan Hinkins of the National Opinion Research Center, Hormuzd Katki of the National Institutes of Health, and Jana Asher of Carnegie Mellon University.

Activities in this category include identifying scientific techniques and practices that have been used to enhance human rights attainment, determining further scientific methods that could be used to enable or improve human rights work, encouraging scientific pro bono work for human rights purposes (such as that pursued by the ASA Special Interest Group on Volunteerism), and fostering links between interested scientists and the human rights community.

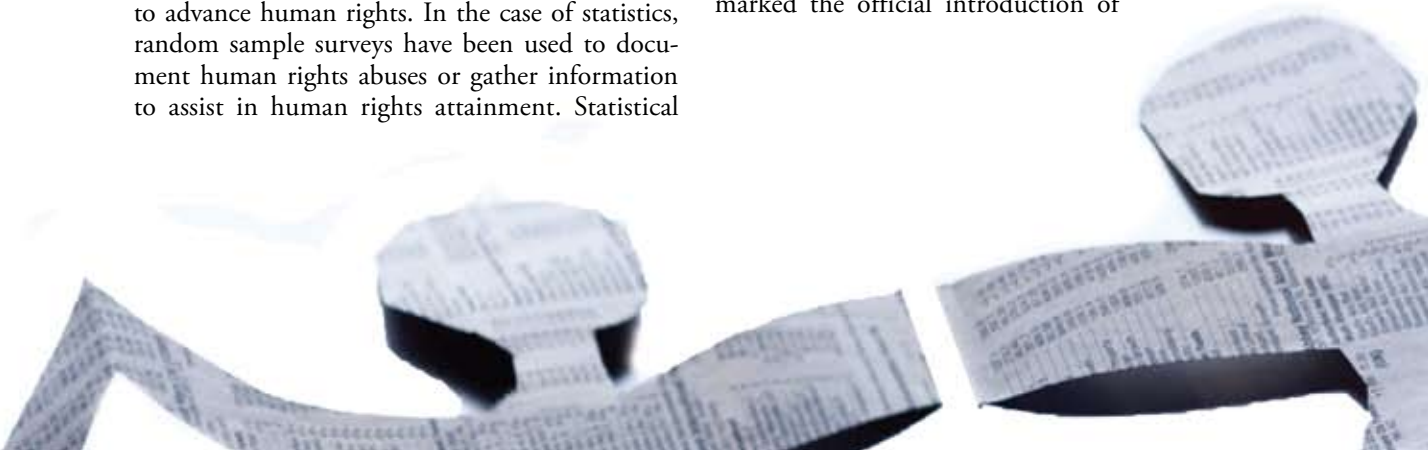
Education and Information Resources

Each of the above activity areas relies on informed communication between scientists and the human rights community. This working group pursues the development of resources for education and outreach, including but not limited to, written case studies, PowerPoint presentations, and informational pamphlets.

Article 15

Article 15 of the International Covenant on Economic, Social, and Cultural Rights recognizes the human right to “the benefits of scientific progress,” but practical advances in the attainment of that right across all populations have been scarce. The coalition hopes to work across scientific disciplines to tackle this long-neglected human right. The coalition, as a whole, plans to engage in activities that educate both the scientific community and the human rights community about the meaning and potential applications of Article 15. Individual working groups also leverage Article 15 to accomplish their goals.

Although these priority areas have been developed over the past two years, the ‘launch’ of the Science and Human Rights Coalition marked the official introduction of



the coalition to a broad audience of scientific associations, professional societies, academies, and individual scientists. It provided an opportunity to learn about the mission and structure of the coalition, its areas of activity, and how scientific associations and individual scientists can become a part of this important new initiative.

During the evening of the 14th, a panel of distinguished speakers, including former Irish President and United Nations Commissioner for Human Rights Mary Robinson, gave plenary remarks that focused on the need for a scientific coalition dedicated to human rights principles. Early speakers on the 15th outlined the nuts and bolts of the coalition, including methods by which organizations and individual scientists may participate in its activities. Those remarks were followed by concurrent sessions outlining different ways in which scientists have contributed to human rights attainment in the past. Statisticians participated in two of the three panels: Gary Shapiro of Westat, Inc., discussed the activities of the American Statistical Association within the human rights community and Asher described specific projects in which she collected data for use by the human rights community to document abuses.

The remainder of the 15th and the morning of the 16th were devoted to planning activities among each of the working groups. The launch concluded with an overview of upcoming activities, including the next meeting of the coalition on July 24 at the AAAS headquarters in Washington, DC.

The strong presence of statisticians active in the coalition and attending the launch was acknowledged at various sessions and commented on by participants. Steve Pierson, the ASA's director of science policy, represented the ASA, and he and Susan Hinkins will serve as the ASA's first official representatives to the coalition. Other statisticians

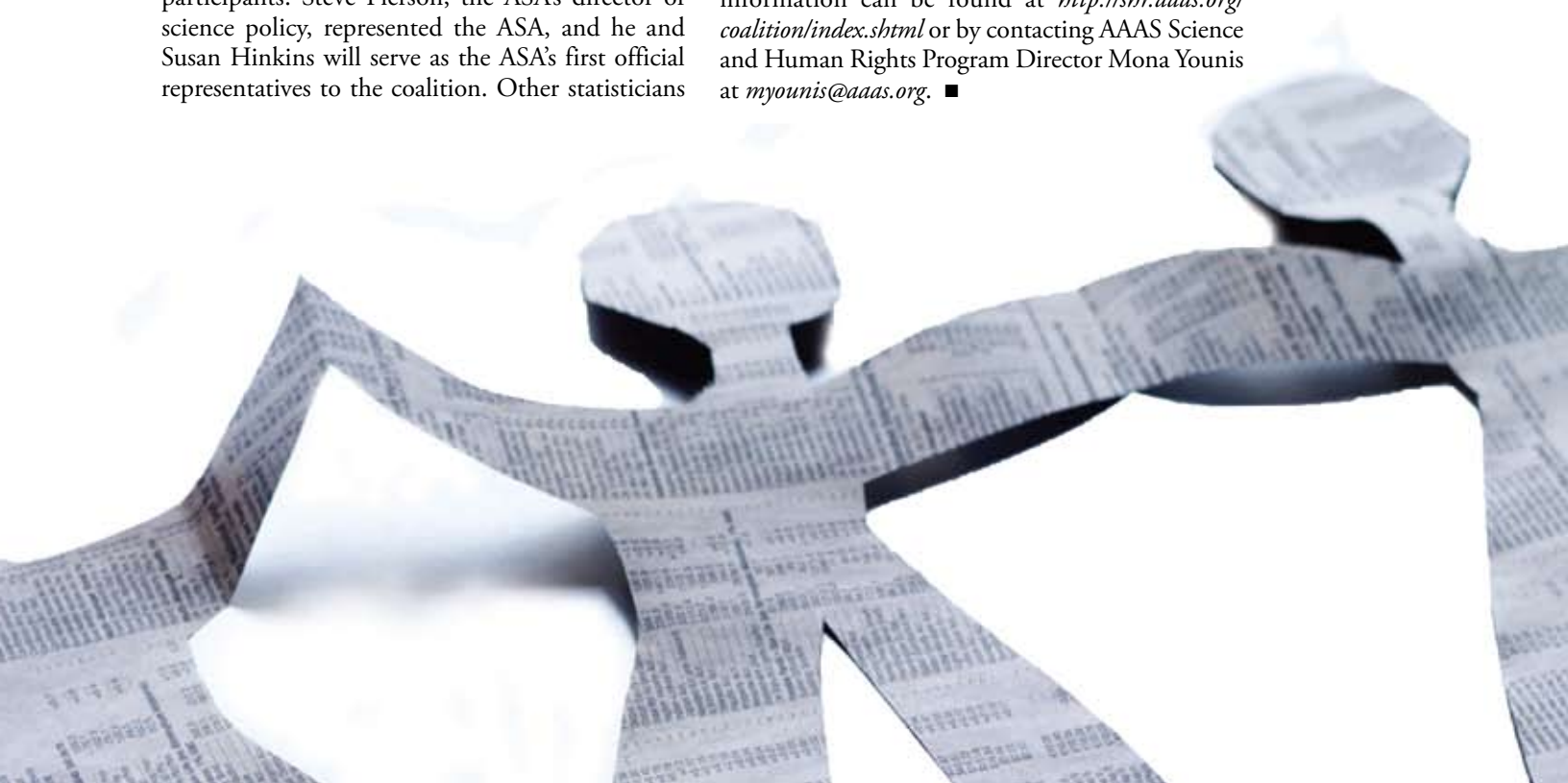


Photo courtesy of SHRP-AAAS

A working group meeting at the launch of the Science and Human Rights Coalition of SHRP-AAAS.

who attended include Fritz Scheuren, Mary Gray, Art Kendall, Michael P. Cohen, Safaa Amer, John S. Gardenier, and Turkan (Teri) Gardenier.

Although the real work of the coalition is just beginning, it is already a vibrant and active group, united in its belief in the value of the scientific community in global fulfillment of human rights. If any of the activities described here appeal to you, the coalition welcomes your involvement. Further information can be found at <http://sbr.aaas.org/coalition/index.shtml> or by contacting AAAS Science and Human Rights Program Director Mona Younis at myounis@aaas.org. ■

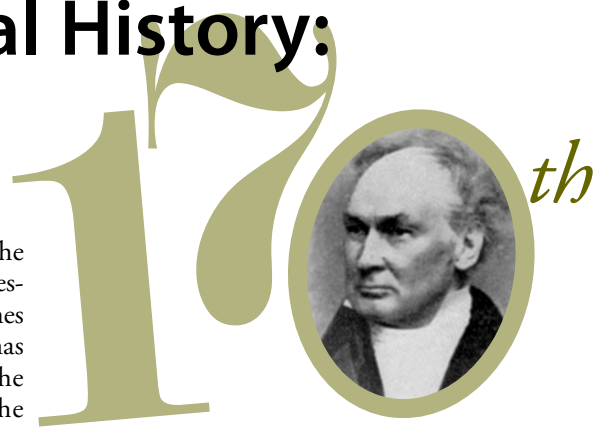


ASA Presidential History: An Update

Wendy Alvey and Beth Kilss

This year marks the 170th birthday of the ASA, and the ASA welcomed its 100th president just a few years ago. These milestones prompted us to consider how the association has grown and changed over time. Drawing on the annual presidential addresses and many of the significant political, social, and economic events of each respective decade, we are now assembling an electronic volume that examines key ASA issues and concerns in their historical context.

In the December 2008 issue of *Amstat News*, we asked for your help in this ongoing effort. After Susan Cocola Ross made a monumental effort to track down photographs and biographical information for each of



the first 100 ASA presidents using the ASA archives, Wikipedia, Google, etc., we tried the following:

Asking the membership for help, as we did in the December *Amstat News* article

Writing to current ASA members who shared the same last name as former ASA presidents

Using genealogical methods to track down persons for whom information is missing

These approaches are yielding good results, but some data are still missing. We are open to other ideas, so please contact us with your suggestions for finding biographical information and (especially) photos for the following:

Brigadier General Leonard Porter Ayres – ASA president in 1926

John Koren – ASA president in 1914

Frank Leslie Hayford – ASA president in 1940

In addition, we are seeking volunteers to help conduct factual and historical reviews of the information we have assembled. Contribute your time and learn about the development of our profession from some of our more luminary leaders. This is a work in progress. See how our discipline has responded to the need for statistics to enhance human welfare. This volume is a community-wide effort. Support from statisticians and users of statistics at all levels are welcome. To help, contact Fritz Scheuren at scheuren@AOL.com. ■

NISS Posts Interface Workshop Slides on Web

Complete slide presentations from several National Institute of Statistical Science (NISS) programs are now available online, including the following:

Interface 2008, held May 21–24 in Durham, North Carolina, www.niss.org/interface2008/technical_talks.html

ITSEW 2008: Multiple Sources of Error and Their Interaction, held June 2–4 in Research Triangle Park, North Carolina, www.niss.org/ITSEW/2008/itsew2008_presentations.html

NISS-OCC Explorations Workshop: Exploring Statistical Issues in Financial Risk Modeling and Banking Regulation, held February 5–6, 2009, in Washington, DC, www.niss.org/affiliates/financialrisk200902/financial_risk_home.html

More slide presentations will be posted to www.niss.org soon, so check back often. Click on events and follow the links to each event. ■



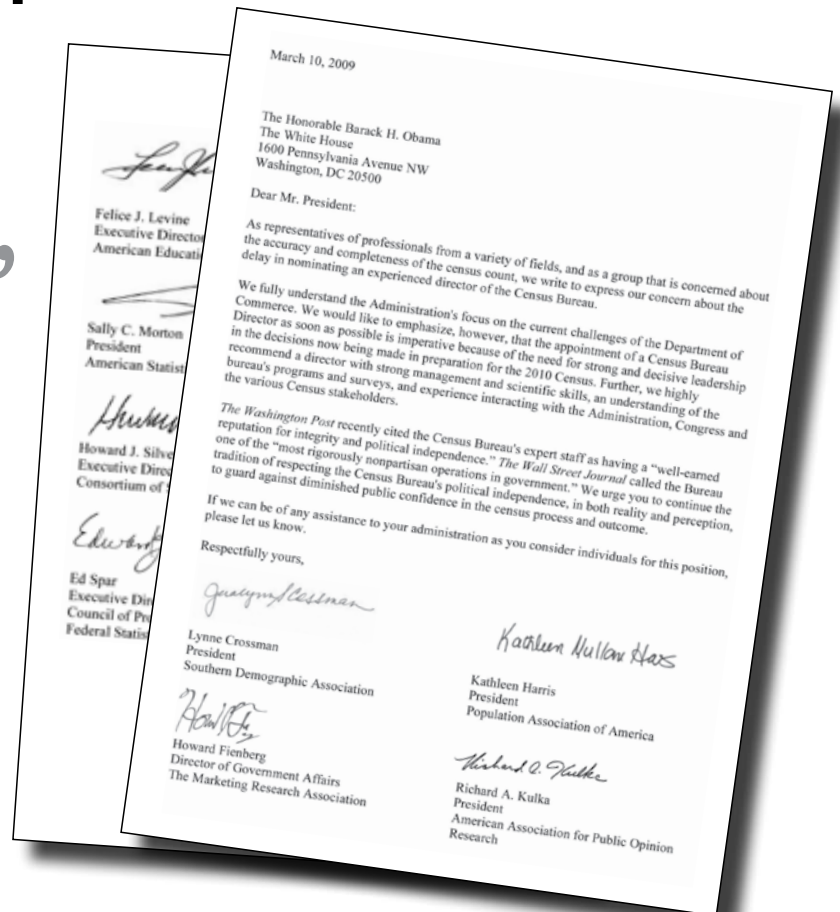
ASA Letter Urges President Barack Obama to Accelerate Appointment of Census Director

“We urge you to continue the tradition of respecting the Census Bureau’s political independence.”

The ASA recently initiated a letter to President Barack Obama urging him to appoint a census director as soon as possible and to ensure the U.S. Census Bureau is shielded from partisan politics. The letter, which was signed by representatives of a number of professional societies representing a variety of fields, stresses the need for strong and decisive leadership of the bureau as the organization gears up for the 2010 Census.

“In order to ensure that public confidence in the census is maintained, it is critical that the [U.S.] Census Bureau preserve its tradition of political independence and that a director be in place in the very near future so he or she can take an active role in all of the preparations for the 2010 census,” said ASA President Sally Morton.

The letter further recommends that the director selected should have “strong management and scientific skills, an understanding of the bureau’s programs and surveys, and experience interacting with the administration, Congress and the various census stakeholders.” ■



In addition to the ASA, organizations that signed the letter are:

- American Association for Public Opinion Research (AAPOR)
- American Educational Research Association (AERA)
- Consortium of Social Science Associations (COSSA)
- Council of Professional Associations on Federal Statistics (COPAFS)
- Marketing Research Association (MRA)
- Population Association of America (PAA)
- Southern Demographic Association

Web Sites for Those Who Love Visual Data



Junk Charts

Recycling chartjunk as junk art
http://junkcharts.typepad.com/junk_charts

The Work of Edward Tufte and Graphics Press

www.edwardtufte.com/tufte

Graph Jam

Music and culture for people who love charts
<http://graphjam.com>

Gallery of Data Visualization

The best and worst of statistical graphics
www.math.yorku.ca/SCS/Gallery

Milestones in the History of Thematic Cartography, Statistical Graphics, and Data Visualization

www.math.yorku.ca/SCS/Gallery/milestone

Visualization Papers

Research papers brought to you by the Computer Science Division and the University of California, Berkeley
<http://vis.berkeley.edu/papers/tmaps>

81 Optical Illusions and Visual Phenomena

www.michaelbach.de/ot/index.html

Visualization of complex networks

www.visualcomplexity.com/vc

Flowing Data

www.floodingdata.com

A demonstration of the "elastic list" principle for browsing multi-faceted data structures

http://well-formed-data.net/experiments/elastic_lists



Opportunity Knocks for Midwest's Jobless

ASQ World Conference includes free career fair

The American Society for Quality (ASQ) will host a free career fair in conjunction with the ASQ World Conference on Quality and Improvement, May 18–20, 2009, at the Minneapolis Convention Center in Minnesota.

The career fair, which is open to the public, will focus on quality professions in organizations such as Johnson & Johnson and Microsoft.

The fair will begin with free career development workshops for both professionals and students. The workshops will include interview tips and tools, how to position your quality certification, résumé help, and much more. The career fair will continue with opportunities to network and talk to employers

from a variety of industries looking for quality employees.

Space for the workshop is limited. For more information and to register, visit <http://wcqi.asq.org/career-fair>. Registration will also be available onsite.

Discounted Rate

ASQ is offering a discounted regional registration rate to the World Conference on Quality and Improvement to everyone who resides in, or is a member of an ASQ section in, Minnesota, Iowa, Illinois, Wisconsin, North Dakota, and South Dakota. Those eligible can register for only \$735. To register, or for more information, visit <http://wcqi.asq.org>.

To learn more about ASQ, visit www.asq.org. ■

Correction

In the March issue of *Amstat News*, the current positions were listed incorrectly for some of the 2009 ASA election candidates. Their current positions are listed below:

Constance F. Citro, Director, Committee on National Statistics, National Academy of Sciences, 2004

Jessica Utts, Professor, University of California, Irvine, 2008

Thomas H. Short, Professor, Department of Mathematics and Computer Science, John Carroll University, 2008

David W. Webb, Mathematical Statistician and Team Leader, Weapons and Materials Research Directorate, U.S. Army Research Laboratory, 1985

We apologize for any inconvenience.

Office of Biostatistics Now Involved in Internship Program

Students spend 10 weeks gaining hands-on experience

The National Institutes of Health has a vigorous summer internship program in biomedical research for undergraduate and graduate students that lasts approximately 10 weeks. Each of the NIH institutes and centers with on-campus research participates in this program, but the opportunities for biostatistics students have been relatively limited. To address this issue, the National Heart, Lung, and Blood Institute (NHLBI) Office of Biostatistics Research (OBR) is now participating. Funding is provided by NHLBI, with stipends according to level of education.

The rich environment of NHLBI allows students to gain experience in areas that are not normally part of an undergraduate education and provides them with insight into the functions of research in biostatistics. "For students that I directly mentor, the first part of the summer experience is a reading course in clinical trials," said Nancy Geller, director of the Office of Biostatistics Research. "I set aside one hour every week to discuss material related to the readings. Even though I have done this for the past seven years, the course has never been the same because the direction a discussion takes depends on the level of the student and the type of questions he or she asks."

Geller continues the summer with a student project, either an analysis of a real data set or a literature review. As an example, one student who was presented with a clinical data set involving a new medical imaging test asked if the test added value to the usual prognostic variables. The student was able to analyze the data using SAS (which she learned onsite). She met with medical investigators and, with guidance, wrote a memo summarizing her analyses. She became an author of the resulting medical paper, which helped her when she applied to graduate school. She is currently in a statistics PhD program.

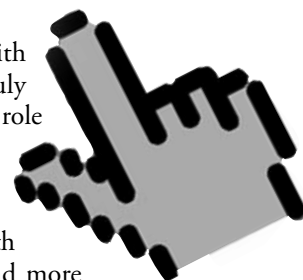
Students in Geller's program usually finish the summer attending meetings related to ongoing clinical trials and genetics studies. Students can participate in conference calls and attend steering committee meetings, where ongoing studies are reviewed and potential studies discussed. Following

such sessions, focused discussions with the students take place so they truly understand the proceedings and the role biostatisticians play in ongoing studies and the design of new studies.

These activities are supplemented by more widely attended activities, both within the students' area of focus and more generally. For example, there is an ongoing journal club in epidemiology and biostatistics in which presentations of current papers are given by members of the staff. These sessions are geared toward the summer students so the students are exposed to several areas of research. At the end of the summer, students present their work. "Aside from free interaction with their mentor and other members of the Office of Biostatistics Research, the students bond with one another, becoming very close friends," said Geller.

On a more general level, the NHLBI has activities to enhance students' summer experience on the Bethesda, Maryland, campus. NHLBI summer students attend a series of lunch seminars that provide an opportunity for them to meet each other and become familiar with the spectrum of research, both clinical and scientific, going on at NHLBI. "This gives interns the opportunity to extend their experience beyond biostatistics," said Geller. "Moreover, they are encouraged to take advantage of the Washington, DC, environment, both in terms of the statistical community and the rich cultural and social environment afforded by the museums and other activities."

For more information about the internships or to apply, visit <http://dir.nhlbi.nih.gov/oe/summerprogs.asp>. ■



Submissions Sought for CSBIGS

Potential authors are invited to submit papers for future issues of *Case Studies in Business, Industry, and Government Statistics*. The next issues are due to appear in May and December of 2009. For information or to view the current issue, visit www.bentley.edu/csbig. ■

Got Supplements?

Eric Sampson, ASA Journals Manager



“With a link right there by the article title in the table of contents, readers can access supplemental material with a single click.”

“travel” with the article as a more cohesive package. With a link right there by the article title in the table of contents, readers can access supplemental material with a single click.

Readers of the print versions will be alerted that supplemental materials are available online, but a web address won't appear in print. Why? Because these addresses go out of date quickly. Subscribers will always be able to go to <http://pubs.amstat.org> to grab the material they need.

Following are the instructions for submitting supplemental materials. These can also be found at <http://pubs.amstat.org/pages/supplements> or from any journal's information for authors page.

Instructions for Submitting Supplemental Materials

Authors are encouraged to submit supplemental materials to accompany their papers. Supplemental materials may include files with computer code, data sets, detailed proofs of theorems, lengthy tables, extended appendices, and other files that illuminate the paper's contributions.

These supplemental files should be supplied for review with the manuscript at initial submission. Should the paper be accepted for publication, these materials will be published online. Following are the instructions for including your supplemental materials:

Add a note in your abstract stating that supplemental materials are available online. Your note may specifically mention computer code, R packages, data sets, and/or appendices, or

When the ASA moved its journals to <http://pubs.amstat.org>, members got more than a much improved platform. The ASA greatly increased its ability to help authors publish.

Print journals have served the ASA well for many years, but let's face it, the printed page is limited in what it can deliver, and there are only so many pages to go around. Extended appendices, proofs, and code were often left out or relegated to a second web site. That's why we're so excited about our new site. Authors can submit any and all materials that support their articles—R code, video, data sets, etc.

Of course, all the material is subject to editorial review for quality and relevance, just the same as the main articles. However, these supplements will now

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If appropriate, the supplemental materials should be referenced in the body of your article.

Add a section to your paper titled “Supplemental Materials.” This section should appear at the end of your paper, immediately before your reference list, and include a title and brief description of each supplemental item. In LaTeX, use the description environment to list your supplementary materials. For example,

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`\item[Title:] Brief description. (file type)`

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R-package „MYNEW% containing code to perform the diagnostic methods described in the article. The package also contains all data sets used as examples in the article. (GNU zipped tar file)

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For more information, contact ASA Journals Manager Eric Sampson at eric@amstat.org. ■

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Data Analysis Workshop II
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Biostatistics Analysis of Epidemiologic Data II: Poisson and Conditional Logistic Regression

Biostatistics Analysis of Epidemiologic Data III: Semiparametric Methods

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Public Health Dimensions of Global Tuberculosis Control

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Staff Spotlight

Rebecca Nichols

One of the primary missions of the ASA is to work for the improvement of statistical education at all levels. As the ASA's K–16 education manager, I have the opportunity to work with many wonderful people on projects aimed at enhancing statistical education and providing resources for teachers and students.

I serve as the ASA staff liaison to the ASA/NCTM Joint Committee on Curriculum in Statistics and Probability, the Membership Surveys Committee, the Committee on Scientific Freedom and Human Rights, and the Committee on Student Pro Bono Statistics. Serving in this capacity means I have the opportunity to assist with many fascinating projects.

Some of the education projects I am involved with include the Meeting Within a Meeting (MWM) Workshop for K–12 Mathematics and Science Teachers that is held in conjunction with the Joint Statistical Meetings, webinars on K–12 statistics education topics for MWM workshop participants and ASA K–12 School Members, the AMATYC/ASA web-based distance learning program, and student internship listings. Recently, I have become more involved in education policy by meeting with staff members of the U.S. House Committee on Education and Labor. Soon, I'll be meeting with staff members of the U.S. Senate Committee on Health, Education, Labor, and Pension.

I also assist the ASA/NCTM Joint Committee with projects such as the Beyond AP Statistics (BAPS) Workshop, poster and project competitions, the *Statistics Teacher Network* newsletter, STatistics Education Web (STEW), activities stemming from the *GAISE Pre-K–12 Report*, and various workshops. I have been able to present at or attend several professional meetings and am occasionally involved in outreach presentations and projects with local schools. In fact, I am looking forward to again attending the AP Statistics reading this year.

Before coming to the ASA, I taught introductory statistics courses for three years as a visiting instructor at Brigham Young University while working as



Rebecca and husband, Luke, in front of Humayun's Tomb in Delhi, India

a statistician for the Women's Research Institute. I also worked as a statistician for the Institute for Circumpolar Health Studies and Providence Alaska Medical Center in Anchorage, Alaska. I have a bachelor's and master's degree in statistics, both from Brigham Young University.

On a personal note, I am originally from Salt Lake City, Utah, and the younger of two children. My parents, brother, sister-in-law, and two adorable nieces live in the Salt Lake City area. My husband, Luke, is originally from Anchorage. Most of his family still lives there (including more cute nieces and nephews), although his parents are currently in Bangalore, India. We were fortunate to visit them over Christmas 2007 and travel throughout India and Sri Lanka. I enjoy traveling, painting (oil and watercolor), outdoor activities (scuba diving, camping, hiking, snowshoeing, snowmobiling, and Utah skiing), visiting family and friends, and, of course, spending time with Luke. When the weather is nice on Saturdays, Luke and I can often be found visiting sights near or far or sitting along the water—Luke fishing while I paint a landscape in my watercolor journal.

I have enjoyed working at the ASA since I started here almost three years ago. I appreciate and value the atmosphere of teamwork and collegiality I have found here, and I have enjoyed working with and learning from other statisticians, statistics educators, ASA members, and staff colleagues. If there is anything I can assist you with, please do not hesitate to contact me at rebecca@amstat.org. ■

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Wendell F. Smith

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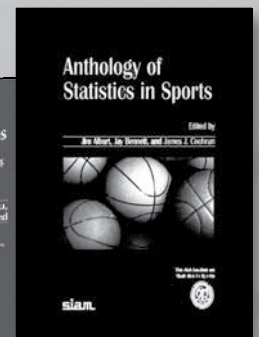
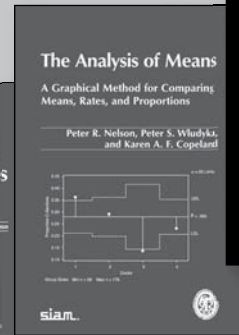
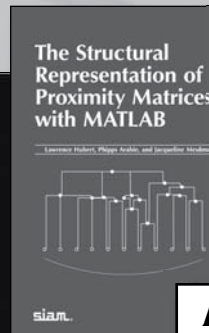
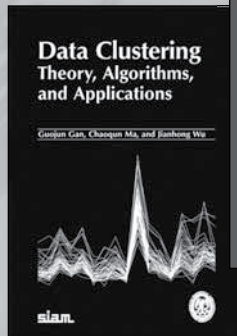
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RESEARCH CONFERENCE CALL FOR PAPERS

November 2-4, 2009
Washington, DC

The Federal Committee on Statistical Methodology (FCSM) is planning a research conference to be held at the Washington Convention Center, Washington, DC, on November 2-4, 2009. The conference will feature mostly contributed papers with formal discussion and software demonstrations on topics related to a variety of statistical research issues. Papers and demonstrations should address methodology, empirical studies, relevant issues, or needs for statistical research. Papers must be original and not previously published or disseminated.

Possible topics include but are not limited to:

Survey design and data collection

- Questionnaire design issues
- Improving coverage and response rates
- Instrument design and pretesting
- Survey integration and cross-survey planning
- Treatment of missing data/imputation methods
- Uses of innovative methods for data collection, processing, and dissemination
- Advances in frame development for censuses and surveys
- Model-based survey estimation adjustment
- Innovative methods in sample design and estimation
- Data editing
- Web data collection
- Collection and analysis of survey paradata
- Development of economic statistical indicators

Analysis

- Bayesian statistical methods
- Variance estimation
- Exposure analysis and modeling
- Forecasting, time series, and seasonal adjustment
- Methods of statistical / econometric modeling
- Meta-analysis
- Application of microdata techniques to economic data
- Analysis of complex surveys
- Sample design and estimation

Evaluation

- Census and survey evaluation methodologies
- Innovative approaches to program evaluation
- Measuring data quality
- Nonsampling error: estimation and evaluation

Cross-cutting topics

- Statistical issues in national security
- Confidentiality, privacy, and disclosure issues in data dissemination and linkage
- Data mining, warehousing, and metadata
- Design and analysis of longitudinal studies
- Measurement issues and bridging changes in classification systems
- Use of data for policymaking
- Statistical uses of administrative records
- Nonresponse research
- Usability testing
- Quality standards, best practices, and guidelines
- Quality of administrative records
- Geospatial statistics
- Research on economic measurement concepts and techniques
- Statistical literacy and communication of results

To submit a paper or demonstration for consideration, submit the abstract online by April 10, 2009. All conference information can be accessed at the FCSM Web site: www.fcsm.gov/events.

To obtain conference information or to be included on the mailing list, contact:
Anna Holaus, Conference Coordinator
Email: fcsm@census.gov
Phone: 301-763-2308
Fax: 301-763-3682

For questions about abstracts contact:
Dawn E. Haines, Program Chair
Email: dawn.e.haines@census.gov
Phone: 301-763-4881
Fax: 301-763-4310

What the Stimulus Could Mean for Statistics Funding

Keith Crank, ASA Assistant Director for Research and Graduate Education

February and March were active months for federal budgets. In February, Congress passed the American Recovery and Reinvestment Act (also called the stimulus package). At the end of the month, President Barack Obama released his overall plan for the 2010 budget, and in early March, Congress was working on its appropriations for the 2009 fiscal year (which started last October). How do these activities affect science, generally, and statistics, in particular?

The American Recovery and Reinvestment Act added \$21.5 billion of federal funding for research and development (R&D). More than half of these R&D funds were added to the appropriations for NSF and NIH, the two agencies that provide the bulk of federal research funding for academic statisticians

and biostatisticians. (See the table “Appropriations and Requests for NSF and NIH.”) In its omnibus appropriations bill for fiscal year 2009, the House of Representatives also included \$36.8 billion for R&D for these two agencies. (The Senate is still debating this bill.) And the outline for the 2010 budget has \$7.0 billion for NSF. (The NIH budget for 2010 is not clear, as it is part of the budget for the U.S. Department of Health and Human Services.) What does this mean for statistics?

National Science Foundation

Let's start with NSF. In fiscal year 2008, NSF received just more than \$6.0 billion, of which \$4.8 billion was for research and

related activities (R&RA). (R&RA is the money NSF spends to fund research proposals. Education proposals, as well as administration, salaries, oversight, etc., come out of the \$1.2 billion difference between



Appropriations and Requests for NSF and NIH

Agency	FY2008	FY2009 (House) Omnibus	Stimulus	FY2010
NSF Total	\$ 6.1 billion	\$ 6.5 billion	\$ 3.0 billion	\$7.0 billion
NSF R&RA	\$ 4.8 billion	\$ 5.2 billion	\$ 2.5 billion	*
NIH	\$29.5 billion	\$30.3 billion	\$10.2 billion	*

*FY2010 details will be available in April

the overall appropriations and the R&RA appropriations.) For fiscal year 2009, there is \$6.5 billion of appropriations in the House version of the omnibus appropriations bill (\$5.2 billion in R&RA), plus \$3.0 billion from the stimulus (\$2.5 billion for R&RA). This would be an increase of \$3.5 billion overall and \$2.9 billion for R&RA, or roughly a 60% increase. How will NSF spend this money? (Note: If Congress is unable to reach agreement on the omnibus appropriations bill, the most likely alternative will be a continuing resolution through the end of the year that sets fiscal year 2009 appropriations at their fiscal year 2008 levels.)

While there has been little word from NSF about its plans for the additional funding, I believe there are basically three ways for NSF to spend the money: 1) fund more proposals, 2) provide more funding to those proposals that are funded, or 3) reduce debt.

As the goal of the stimulus package is to create jobs and spend more money, the third option is not viable as a main strategy (especially since NSF will be required to track the stimulus funding separately from its regular appropriations). So, some combination of the first two is most likely. But, what does this mean for statisticians?

If you submitted a proposal to NSF last fall, your odds of getting funded have probably gone up. Instead of funding 25%–

30% of its research proposals, the Statistics Program may be able to fund 35%–40%. (Overall, NSF hopes to fund 32% of the proposals submitted in fiscal year 2009.) In addition, more graduate students and postdocs are likely to be funded this year. If you already have an NSF grant, you may not be directly affected by the stimulus, as NSF has decided not to fund supplements from this money.

Although reducing debt is not likely to be the main strategy for spending the additional NSF funds, it is likely to be part of the strategy, as this is a way for NSF to ‘carry over’ funds into the next fiscal year. Specifically, I expect NSF program officers to put more of their funds into standard awards, where all the funding is given this year, even though the award is expected to last multiple years. All the stimulus money will be used this way, since it is a one-time addition to the budget.

If this is done and the president’s fiscal year 2010 budget for NSF is approved, there will be more money available for grants next year. So, you should plan to write a proposal for funding in fiscal year 2010. (Proposals must be submitted between October 23 and November 7 for the Statistics and Probability Program.) Specific increases are expected for junior researchers and research in climate change.

Some of NSF’s stimulus funds are specifically for infrastructure activities. In particular, \$300 million is for Major Research Instrumentation (MRI) and another \$200 million is to revive the Academic Research Infrastructure program. I have been told that NSF will be running a second competition for MRI and will release a solicitation for Academic Research Infrastructure this month.

National Institutes of Health

Turning to NIH, we also see large percentage increases in funding. The stimulus package includes \$10.2 billion for NIH, while the House version of the omnibus appropriations bill includes \$30.3 billion. Combined, this is an additional \$11.1 billion, compared to fiscal year 2008, and would bring the total NIH budget for fiscal year 2009 to \$40.5 billion.

NIH plans to use the additional funding to make awards to proposals that have already been submitted, but has announced an additional competition (Challenge Grants) for two-year proposals that could have an immediate impact on the economy. (See http://grants.nih.gov/grants/funding/challenge_award.) These Challenge Grants are expected to advance the science while presenting significant findings within a two-year time frame. The deadline for submissions is April 27.

At NIH, it is not clear what the increased funding means for statistics or statisticians. And it probably won’t be possible to determine its effect, either. (At NSF, we’ll be able to see how many awards are made by the Statistics Program and compare that to previous years.) But, statisticians are likely to benefit from the increased funding, along with other scientific disciplines.

For more information about funding under the stimulus package, visit www.recovery.gov. Any new solicitations due to the stimulus package should be available on the agency’s web site and at www.grants.gov.

To contact me, send an email to keith@amstat.org. Questions or comments about this article, as well as suggestions for future articles, are always welcome. ■



State of ASA's Science Policy

Steve Pierson, ASA Director of Science Policy, pierson@amstat.org

March marks the one-year anniversary of the creation of the ASA's science policy office. The office is in ramp-up mode, but progress is being made—I hope you have noticed the activity! I would like to use this month's column to review some of the activities of the past year. As a reminder, the guiding principle for ASA science policy is to integrate statisticians into the policymaking process. We also are active advocates for statistics research funding and the federal statistics agencies.

Active in the Community

During this first year, the ASA science policy office became active in numerous communities that share ASA interests. Such connections are important because it seldom happens that a single group can achieve its policy objectives alone. On basic research funding, the ASA became active in coalitions that support funding for NIH, NSF, NCHS, the Decennial Census, and STEM education. As ASA President Sally Morton mentions in her column this month, we have signed numerous letters involving this and other issues. These letters can be viewed at www.amstat.org/outreach/scipolicyletters.cfm.

We also became active with other groups in promoting risk-limiting vote tabulation election audits, advising Congress and policymakers on climate change issues, supporting federal statistics agencies, and fostering communication and partnerships on human rights among scientific associations and with human rights communities.

Followers of the ASA Board meetings will have noticed an increase in the number of statements and science policy actions since 2007. The board issued statements on climate change, election integrity, and disclosure risk. It also endorsed a set of election auditing principles and a bill to make the U.S. Census Bureau independent, as well as give its director a fixed, five-year term.

The process for board statements has evolved in the last year. It begins with assembling a team of ASA experts whose charge is to examine an issue and develop a recommendation for the board. That group may conduct its business through conference calls and emails, tap the ASA's extensive network of experts, or request outside perspectives. Once a group reaches consensus on both content and



Statistical Significance (StatSig) series

method for conveying a message, the group presents its recommendation to the board. If you have a topic on which you think the ASA Board should make a statement, please contact me.

Building Infrastructure

Another aspect of science policy activity at the ASA could be characterized as infrastructure building. What aspects of what statisticians do are most useful for policymakers? Which accomplishments should we publicize? What are the options we should use?

One of the projects in this category is a series called Statistical Significance (StatSig), whose purpose is to demonstrate to Congress and other policymakers the importance of statistics to our country and, to a lesser extent, to educate this audience about what statistics is. The plan is to have a StatSig on a variety of themes, including economy, health, environment, defense and national security, agriculture, and government statistics. StatSig prototypes on the economy, health care, and agriculture are available at www.amstat.org/outreach/pdfs/StatSignificancePrototypes.pdf and others

ASA Science Policy Actions

ASA signs letters in support of funding for NIH, NCHS, FDA, and other health programs

ASA urges quick appointment of U.S. Census Bureau director and signs letter in support of the bureau's independence

JSM Congressional Visits: Sign-Up Begins April 20

To take advantage of JSM being in our nation's capitol, the ASA Science Policy Office invites ASA members to be part of visits to the offices of their congressional representatives during the last day of JSM, Thursday, August 6. Participants will be prepped on how to conduct successful meetings with Hill staffers and the requests we will be making (as determined by the ASA Board in an upcoming meeting.) Participants also will be provided with materials to explain and support the ASA requests. Participants will schedule the meetings in advance, with support and instructions from the ASA Science Policy Office. To sign up, go to www.amstat.org/meetings/jsm/2009/index.cfm?fuseaction=capitolhill beginning April 20.

are under development. As one example of their use, StatSigs will be included in the packets to be delivered during meetings with Capitol Hill staffers.

To encourage StatSig contributions, the ASA Scientific and Public Affairs (SPA) Committee is sponsoring a competition for all 2009 JSM poster presenters. (See the announcement on Page 17 of the March issue of *Amstat News* and at www.amstat.org.) Contributions from others to the Statistical Significance series also are welcome.

I would also characterize this column as part of the ASA's infrastructure building because I view it as a means to inform ASA members about science policy opportunities and developments. Followers of this column will notice I use guest columnists to better achieve this end, and I welcome any suggestions.

ASA Member Activities

To illustrate some of the more significant activities of the first year, let me discuss a few topics. A group led by Amy Braverman and Mark Berliner has been examining ways to productively advise Congress (or at least congressional staffers) on climate change issues. As their interest in advising Congress is broader than this issue, they view their work as a pilot project for statisticians. The group has been meeting with congressional staffers, both by phone and in person, to discuss the contribution statisticians can make and to hear the staffers' advice. They have found the staffers to be receptive to the contributions statisticians can make, but generally unaware of the ASA and the role statisticians can play. The group will report on its progress, experience, and findings during JSM 2009.

The ASA also has a group of members working to improve vote tabulation audits. In such an audit, a sample of paper ballots is counted and that tally is

compared to the machine tally for those same ballots. Statisticians can help election officials select the ballot batches so the risk of an incorrect outcome is minimized and the efficiency of the audit is maximized. Statisticians and the ASA have been involved in developing and endorsing principles and best practices for such audits, advising election officials in Colorado about how to improve their elections, developing methods for risk-limiting audits, and commenting on administrative rules for existing laws.

Supporting Statistical Agencies

The ASA science policy office also has been building capacity to better support federal statistics agencies. For example, the ASA agreed to become a partner with the 2010 Census, endorsed the bill to make the U.S. Census Bureau independent, and urged a speedy appointment of a census director. We've also produced a short report to inform the work force about issues federal statistics agencies face, and we're exploring ways to better support these agencies.

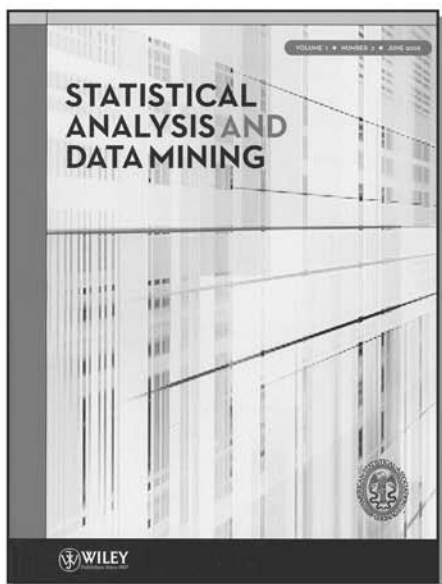
ASA Member Opportunities

The ASA continues to be active in nominating its members for various positions and advisory committees, including those with the NSF MPS AC, NSF EHR AC, NSF SBE director, National Assessment Governing Board, FDA Science Board, and the Census Advisory Committee on the Hispanic Population.

Looking ahead, having JSM in Washington, DC, is an excellent opportunity to showcase the contributions statisticians can make. A large part of this will be through the congressional visits that 50 of you will make on Thursday, August 6. (See sidebar and please check online to sign up.) This effort will be an excellent opportunity to discuss with congressional staff the role of statistics. There also will be a number of policy talks at JSM along the theme of "Statistics: From Evidence to Policy."

The current environment in Washington is favorable to statisticians. President Barack Obama mentioned statistics early in his inauguration speech, after referring to our economy, health, education, energy, and environment challenges: "These are the indicators of crisis, subject to data and statistics." We've also heard how this administration's approach will be evidence-based and data-driven. As I've said previously, it is incumbent upon us to take advantage of this. We must reach out to this administration and educate other policymakers about our role; this will be one of the top priorities for the ASA science policy office in year two. ■

Have you seen the new issue of
STATISTICAL ANALYSIS AND DATA MINING?



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RESEARCH ARTICLES

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**Least Angle Regression and LASSO for
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Chris Fraley, Tim Hesterberg

**Association Rules Network: Definition
and Applications**

Gaurav Pandey, Sanjay Chawla, Simon Poon, Bavani

REVIEWS

**Discovering and Exploiting Statistical
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PERSPECTIVES



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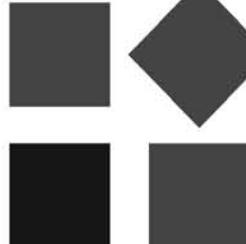
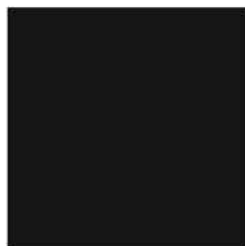
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Getting Media Attention for Your JSM Session

Rosanne E. Desmone, ASA Public Relations Specialist

It won't be long before the ASA staff starts promoting JSM 2009 to the local and national media. To do the best job, they need the help of every presenter. Let me explain...

The majority of media simply doesn't know or understand much about statistics, so the titles of many of the sessions don't make a lot of sense to them and don't pique their interest. When you write titles for your presentations, it makes sense to use terms you and your colleagues know and understand. If you want to garner media attention, however, you have to make it easy for the media to determine if their audiences would be interested.

Let me give you an example. Knut Wittkowski presented a Continuing Education course at JSM 2008 titled "U-Statistics for Scoring Multivariate Data: From Sports to Genetics." I didn't quite know what to do with it ... how to promote it and to whom? Then Wittkowski sent me a new title: "Biostatistics Methodology Yields More Objective Olympic Rankings." As the Olympics were about to begin, this was a timely title. Understandably, the original title made a great deal of sense to statisticians, but the concept of objective Olympic rankings was something everyone could understand.

We need to serve all our JSM audiences equally well. In the case of Wittkowski's course, we could have used the following title/subtitle combinations to make the topic more understandable to the media:

Biostatistics Methodology Yields More Objective Olympic Rankings
U-Statistics for scoring multivariate data, from sports to genetics

Or

U-Statistics for Scoring Multivariate Data: From Sports to Genetics
Biostatistics methodology yields more objective Olympic rankings

There was a number of folks at JSM 2008 who were able to provide titles that were clear to pretty much anyone. I want to point them out here, so you'll see exactly what I am talking about. These examples were easily understood by the media.


Who (Really) Are the First Boomers?

Much was written when the "first person" born in 1946 applied for social security. Since World War II did not end until August 15, 1945, one might think the 'post war' baby boom could not start much before nine months later, or mid-May 1945. This paper looks at the monthly time series of births to determine the start of the Baby Boom. It uses modern series techniques to determine when there was a "break in series" that would constitute the beginning of a boom. It also will examine other data to put the beginning of the boom into context.

What's Wrong with This Picture?

Introductory statistics classes and texts frequently start with graphical methods. In teaching students why and how to produce and interpret graphical displays, care is needed to ensure the displays do not distort or omit important information. For example, a histogram display of time series data loses the



A cluster of microphones in various colors (black, yellow, red) is positioned in the top right corner of the page.

“ [T]he descriptions are written in such a way that almost anyone can understand them. ”

sequential nature of the data. We should avoid asking students to do such plots just to practice making histograms. I present some examples that illustrate this concern and suggest some principles to teach students, along with the mechanics of creating data displays.

Participants Needed for the JSM 2009 ‘DC Duke-Out’

Q: “If the Hotel California were a state in a Markov chain, how would you describe it?”

A: “Absorbing—you can check in any time you like, but you can never leave.”

The StatBowl is gearing up for a “DC Duke-Out” at JSM 2009, with statistics questions like this one. Stephanie Cano and Mike Anderson from the University of Texas at San Antonio are hard at work, conspiring to stump 16 of the keenest students from around the country with statistics trivia that are both fun and challenging. If the challenge doesn’t inspire you, then perhaps the incentives will. There will be gifts for all participants and special prizes for the top two scoring individuals and the top scoring team. In a continuing effort to encourage graduate student attendance and participation at JSM, the American Statistical Association also will provide travel support, up to \$500, for registered participants.

Students are currently being accepted into the 2009 tournament on a first-come, first-in basis. Inquiries about the bowl or requests to be registered as a contestant can be made online at <http://business.utsa.edu/sc/statbowl>. A maximum of 16 players will be allowed in the contest, with no more than two from each university. A waiting list will be established to fill unexpected vacancies should they occur at game time. ■

It Really Is Getting Warmer

Global warming is gaining attention as a major threat. This paper focuses on weather data collected for one city—Lubbock, Texas—over a time period of 93 years. New temperature records are being set every year in Lubbock, and our goal was to determine if these records are typical or a byproduct of a warming climate. To answer these questions, two methods were employed to investigate the available data. The first was to fit the data to the generalized extreme value distribution. This method produced inconclusive results, but did give the impression that warming exists. To check this belief, a second method involved a time series data processing technique known as “Loess” smoother to determine the magnitude of the increasing daily temperatures over time. The results suggest a three-degree temperature increase in Lubbock over the last 93 years.

Understanding Online Advertisers

Users of search engines (SEs) are often regarded as the primary constituents of successful SEs. The paying customers, namely advertisers, enable the free services that SEs provide, and yet they are not as well understood as the user population. We discuss several studies that focus on advertisers’ methods for evaluating usefulness of new tools to manage their campaigns and methods for assessing campaign effectiveness. We also introduce the concept of advertiser graphs as a vehicle to better understand advertisers and their inter-relationships.

What do these titles and descriptions have in common? They are brief and to the point, some offer a bit of a ‘tease,’ and the descriptions are written in such a way that almost anyone can understand them. I’m not saying you have to throw out your session titles, but I am suggesting you consider a title/subtitle that is descriptive to nonstatisticians.

If your session title lends itself to subtitling in this way, please send me an email at rosanne@amstat.org with your session number, title, and subtitle. This will help me do a more comprehensive job of promoting JSM and your session. ■

Fun, Informative Tours

Lined Up for JSM

The following is a list of tours organized by the ASA's Meetings Department and offered to those attending JSM this year in Washington, DC. Most tours are limited in size, so it's a good idea to purchase tickets early. Tickets must be purchased by July 16 to guarantee availability. (For an additional \$5, tickets will be sold onsite; however, ticket availability is not guaranteed.) The ASA reserves the right to cancel tours with low advance registration. To register for JSM and buy tickets for the tours, visit www.amstat.org/meetings/jsm/2009.

Annapolis: Highlighting the U.S. Naval Academy

Sunday, August 2,
9:00 a.m. – 2:00 p.m.

Thursday, August 6,
9:00 a.m. – 2:00 p.m.

Annapolis is the capital of Maryland and nestled on the Severn River at the mouth of the Chesapeake Bay. This walking tour begins at the State House, where George Washington resigned his commission as commander-in-chief of the Continental Armies and the Treaty of Paris—ending the Revolutionary War—was signed. The tour continues to the campus of St. Johns College, the third-oldest college in the nation and the site of the famous Liberty Tree, where the Sons of Liberty met to plan the overthrow of the colonial government. Continuing on, the tour will stop at the United States Naval Academy and the Academy Chapel. You will enjoy lunch on your own at one of the many restaurants or pubs that line the Annapolis waterfront. \$75.

Historic Tour of Mt. Vernon

Sunday, August 2,
10:00 a.m. – 2:00 p.m.

Thursday, August 6,
10:00 a.m. – 2:00 p.m.

Mount Vernon is the home of President George Washington. You will tour the mansion and surrounding service buildings and view examples of Washington's brilliance as an architect, surveyor, and farmer. The Mount Vernon tour includes two new facilities: Ford Orientation Center and the Donald W. Reynolds Museum and Education Center. By exploring 25 galleries and theaters, you will learn about Washington's exceptional life and accomplishments through interactive displays, a major movie, short films produced by The History Channel, and other high-tech, immersing experiences. \$64



Photo courtesy of Destination DC

Shopping on M Street in Georgetown

The Kennedys: A Georgetown Walking Tour

Sunday, August 2,
10:00 p.m. – 2:00 p.m.

Monday, August 3,
9:00 a.m. – 1:00 p.m.

Tuesday, August 4,
9:00 a.m. – 1:00 p.m.

Explore Georgetown through the eyes and life of Jacqueline Kennedy. The Kennedys spent many years living in several locations throughout Georgetown. Your walking tour will touch on other Kennedys who nested here and note where the clan ate and shopped.

Georgetown began as an 18th-century tobacco port, which grew to the 19th-century C&O Canal, flour and paper mills, a tannery, and a bottling factory. Working-class citizens lived throughout Georgetown,



Photo courtesy of Destination DC

interspersed with the more affluent, in a collection of homes in both the Federal and Victorian architectural styles. This combination of styles—and lifestyles—gives Georgetown the unique character that has made it a sought-after neighborhood in Washington. \$43

Welcome to Washington Tour

- Sunday, August 2, 10:00 a.m. – 2:00 p.m.
- Monday, August 3, 9:00 a.m. – 1:00 p.m.
- Tuesday, August 4, 2:00 p.m. – 6:00 p.m.
- Wednesday, August 5, 9:00 a.m. – 1:00 p.m.

This tour is an orientation to Washington, DC. You will travel down the famous parade route of Pennsylvania Avenue, passing notable buildings such as the Federal Triangle government buildings, the J. Edgar Hoover FBI Building, and the landmark Old Post Office Pavilion, before arriving at Capitol Hill and the U.S. Capitol Building. Here, you will pass in front of the Capitol, whose dome dominates the city and is considered one of the most architecturally beautiful structures in Washington.

Proceeding to the nearby National Mall, you will pass



Photo courtesy of Destination DC

The Kennedy Center (above) and the Jefferson Memorial by moonlight

many of the buildings belonging to the Smithsonian Institution, including the National Air and Space Museum, the National Museum of Natural History, and the National Museum of American History. As you pass the towering Washington Monument, you will soon arrive at the World War II Memorial, where the towering State Arches—amid reflecting pools, waterfalls, and fountains—allow guests to reflect on the more than 400,000 Americans whose lives were lost.

It is then to the Lincoln Memorial, Vietnam Veterans Memorial, and Korean War Veterans Memorial. As you re-board your motor-coach, the tour will continue past the Jefferson Memorial, a temple-like structure dedicated to our third president that sits beside the Tidal Basin, home of the world-famous Japanese Cherry Blossom trees. Nearby, you'll stop at the Franklin Delano Roosevelt Memorial, the fourth monument dedicated to an American president on the National Mall.

After departing the FDR Memorial, you will cross over the Memorial Bridge, pass Arlington National Cemetery, and head to the Marine Corps War Memorial—otherwise known as the Iwo Jima Memorial. A beautiful view of the national monuments and DC skyline can also be seen from here. \$40

The Neighborhoods of Washington, DC

(Adams Morgan, Capitol Hill, Chinatown, Embassy Row)

- Monday, August 3, 2:00 p.m. – 6:00 p.m.
- Tuesday, August 4, 9:00 a.m. – 1:00 p.m.

Wednesday, August 5, 2:00 p.m. – 6:00 p.m.

Washington, DC, is a busy, lively, and ever-changing home to thousands. The great cross-section of American life can be seen in the diverse population and culture here. Washington, DC, is home to more than a half million citizens, covering 67 square miles that are divided into four quadrants: Northwest, Northeast, Southwest, and Southeast. You will experience some of Washington's wonderful neighborhoods and discover why so many think it is a wonderful place to live. \$40

Monuments by Moonlight

- Monday, August 3, 8:00 p.m. – 11:00 p.m.
- Wednesday, August 5, 8:00 p.m. – 11:00 p.m.

As twilight prevails over the capital city, you will begin an evening amidst the famous landmarks of Washington, DC. You will get a star-lit view of the Washington Monument, World War II Memorial, Vietnam Veterans Memorial, Lincoln Memorial, and Korean War Veterans Memorial. As you re-board your motor-coach, the tour will continue past the Jefferson Memorial and stop at the Franklin Delano Roosevelt Memorial. Finally, you will pass Arlington National Cemetery and proceed to the Marine Corps War Memorial, otherwise known as the Iwo Jima Memorial. A beautiful view of the national monuments and DC skyline can be seen from here. \$50 ■

Research Positions At NISS

NISS, with its sister institute, SAMSI, in Research Triangle Park, North Carolina, focuses research efforts on cross-disciplinary research where the statistical sciences can and should play a central role. Individual research projects bridge gaps between government and industry needs and academic expertise. NISS research spans a wide range of significant issues for policy and science, including health, education, the economy, the environment and transportation.

Postdoctoral Positions At NISS

NISS plans to appoint several postdoctoral fellows in the areas described in health, education and modeling. NISS Fellows work with senior mentors to conduct statistical research with a dual focus: to advance statistical theory and methodology and to advance the scientific or policy focus of the particular project. Research agendas variously require development of theory and models for new scientific paradigms, development of new statistical methodology and algorithms, design of complex experiments, or analysis of high-dimensional databases.

NISS Fellows also join SAMSI Fellows in a lively community of postdoctoral researchers. They share in opportunities to participate in both NISS and SAMSI conferences and workshops and to present research results at professional meetings. Publication of research in refereed journals is expected.

Current Research Agendas At NISS

General Requirements:

Statistical data analysis capability, Knowledge of statistical computing software, Strong written and oral communication skills.

(Useful specialized expertise listed below for individual projects and positions).

Health:

I-ECG analysis, QT study design, Cardiac Safety Biomarker Evaluation – functional data analysis, design of complex experiments with repeated measures, computational statistics and graphics.

II-Proteomics and Mass Spec Data Analysis for Biomarkers – applied probability modeling, analysis of mixture data, high-dimensional data analysis, experimental design for non-homogeneous processes, simulation.

Education:

I-Statistical Data on Education – design, data integration and analysis of longitudinal studies, graphical statistics and mapping, non-response bias analysis, survey theory and methodology.

II-Models for Cognition and Learning – multi-level Markov models, applied probability modeling, Bayesian theory and modeling methodology.

III-Learning Trajectories and Assessment – high-dimensional data analysis, statistical computation and graphics, Bayesian inference and modeling.

Modeling:

I-Survey Sampling for Space-Time and Prediction Models – finite population inference, variance estimation from complex sampling designs, Bayesian hierarchical [predictive] models, statistical computation, imputation, agriculture statistics.

II-Transportation and Networks – prediction of travel times, uncertainty characterization.

Application to NISS

- Appointment:
- Variable length (one or two years with renewal, depending on project)
 - Salary (from July 2009) at \$75,000 with a range of benefits
 - Variable starting date (February 2009 to October 2009, depending on project)
- Eligibility:
- Doctorate awarded in 2003 or later (must be complete prior to arrival at NISS)
- Application:
- Letter of interest responding to a specific research agenda
 - Full contact information including citizenship/immigration status
 - CV listing educational background, research experience, publications
 - Dissertation abstract
 - List of references with contact information
- Submission:
- PDF File sent to postdocjob@niss.org
 - Three supporting letters to be sent directly by references to postdocjob@niss.org

Other Research Opportunities at NISS

- Positions for faculty, new researchers, graduate students and interns
- NISS-NASS Cross-Sector Research in Residence Program - for faculty, post doctoral fellows, graduate students
- New Researcher Program - within 5 years of Ph.D.
- NISS-EIA program

See www.niss.org for more information.

“The American Statistical Association works to improve statistical education and uses the statistics discipline to enhance human welfare. Statistical literacy—the ability to understand, interpret, and use statistical information in every-day life—is a vital component of K–12 mathematics and science education. We value the MWM workshop and follow-up activities, as they enhance the teaching and understanding of statistics within the K–12 math/science curriculum and provide teachers with connections to local statisticians. I enjoyed speaking to the MWM teachers last year and look forward to this year’s MWM workshop in Washington, DC.”

~ Sally Morton, ASA President

Statistics Workshop for K–12 Mathematics, Science Teachers Back During JSM

Third annual Meeting Within a Meeting will include a visit to the U.S. Census Bureau



JSM 2008 Meeting Within a Meeting session



Katherine Halvorsen addresses the participants during last year's JSM 2008 Meeting Within a Meeting.

The American Statistical Association is accepting registrations for its third annual statistics workshop for K–12 mathematics and science teachers. Titled Meeting Within a Meeting (MWM), the program was developed to help teachers, many of whom have little or no formal statistics training, meet current mathematics and science requirements that involve statistics education. The conference will be held August 3–4 with the 2008 Joint Statistical Meetings in Washington, DC.

“One of the primary missions of the ASA is to improve statistical education at all levels,” said Ron Wasserstein, the ASA’s executive director. “We are pleased to reach out to the K–12 math and science community through the MWM workshop and follow-up activities. It is fitting to hold this workshop for K–12 teachers in conjunction with the Joint Statistical Meetings, the largest annual gathering of statisticians, where thousands from around the world meet to share advances in statistical knowledge,” he added. “MWM will not only

enhance understanding and teaching of statistics concepts in the classroom, but also provide participants with a network of statisticians and educators to assist in developing the quantitative literacy of their students.”

The National Council of Teachers of Mathematics (NCTM) standards, most state math standards, and the recent College Board standards include requirements for teaching data analysis, statistics, and probability. The ASA’s program is designed to enhance K–12 educators’ understanding of statistics and provide them with information and tools to strengthen their teaching of statistics within the math and science curriculum.

The first MWM workshop, held in 2007, focused on middle-school teachers and was a huge success. This success led Martha Aliaga, ASA director of education, to recommend expanding the MWM workshop to a two-day format in 2008 that included a K–4, 5–8, and 9–12 strand. Local math and science teachers, along with teachers from around



Guidelines for Assessment and Instruction in Statistics Education (GAISE) Report: A Pre-K-12 Curriculum Framework (www.amstat.org/education/gaise).

the United States, attended interactive sessions with prominent statistics educators and statisticians. The workshop participants are currently involved in MWM follow-up activities, including webinars archived at www.amstat.org/education/k12webinars.

The MWM 2009 workshop will include K-4, 5-8, and 9-12 strand workshop sessions on Monday, with a visit to the U.S. Census Bureau and JSM sessions on Tuesday. There also will be follow-up activities throughout the 2009-2010 school year.

The primary goal of the 2009 MWM program is to provide an opportunity for K-12 math and science teachers to discuss and apply the data analysis

and statistical concepts embodied in the *Guidelines for Assessment and Instruction in Statistics Education (GAISE) Report: A Pre-K-12 Curriculum Framework* (www.amstat.org/education/gaise).

“Teachers will explore problems that require them to formulate questions; collect, organize, analyze, and draw conclusions from data; and apply the basic concepts of probability. The MWM program will include examining what students can be expected to do at the most basic level of understanding and what can be expected of them as their skills develop and their experience broadens,” said Katherine Halvorsen, chair of the MWM Program Committee.

The workshops give teachers the opportunity to discuss and apply the statistics concepts embodied in their state mathematics and science standards in the context of the instructional recommendations of *GAISE*. The MWM program emphasizes the growth of statistical literacy over three developmental levels that correspond, roughly, to elementary school, middle school, and high school.

The MWM 2009 program will include a visit to the U.S. Census Bureau, including interactive presentations and activities organized by Renée Jefferson-Copeland, chief of the Census in Schools Branch of the bureau. “We are looking forward to hosting the workshop attendees at the Census Bureau,” said Copeland. “This is an opportunity to introduce teachers to the 2010 Census, Census in Schools, census data, and online data access tools. We hope that this activity will increase the public’s knowledge of the importance of the 2010 Census and the availability of census data for the nation’s school children.”

The registration fee is \$30, which includes materials and some meals. Workshop attendees also may receive a set reimbursement for lodging expenses for a two-night stay. Teachers will receive a complimentary one-day pass to attend sessions at JSM, such as the statistics education and poster sessions, and admission to the exhibit hall.

Register online by going to www.amstat.org/education/mwm and clicking on the “MWM Registration” tab at the top of the screen. Registration will continue until the course is filled.

To view details of the program, visit www.amstat.org/education/mwm. For questions regarding the MWM workshop, contact Rebecca Nichols, K-16 education manager, at rebecca@amstat.org or (703) 684-1221, Ext. 1877. ■

Judges Wanted for Project Competition

The ASA/NCTM Joint Committee is seeking judges for the ASA Project Competition. The competition, now in its 23rd year, offers opportunities for students to formulate questions and gather statistical data while drawing conclusions from that data.

Judging takes place via email during the summer and requires about four hours. If interested, email Megan Mocko at mmeece@stat.ufl.edu or call (352)273-2975. ■



Opportunities Abound in USCOTS Satellite Workshops, Cluster Groups

To get the most out of USCOTS, consider coming early to take part in one of three pre-conference workshops or getting involved in an ongoing statistics education special interest group. Workshop participants who attend USCOTS (United States Conference on Teaching Statistics), to be held in Columbus, Ohio, June 26–27, will have their conference registration fee waived. The workshops are free, but seating is limited, so it is important to apply early. Consider the following workshop offerings and register soon at www.causeweb.org/workshop.

Introducing Concepts of Statistical Inference

Allan Rossman and Beth Chance, of Cal Poly -San Luis Obispo, and John Holcomb, of Cleveland State University, will present this workshop from June 22–24. This opportunity is targeted to teachers of introductory statistics in colleges (including two-year colleges) and high schools. Participants will find a wealth of ideas and activities for helping students learn fundamental concepts of statistical inference. Many of these will be centered on a randomization-based curriculum, rather than normal-based inference; they rely heavily on simulations, both tactile and computer-based. This is a hands-on workshop that will feature participants working directly with student activities, which they can then implement in their own classrooms.

Teaching Statistical Modeling

Danny Kaplan and Victor Addona, of Macalester College, will present this three-day workshop June 23–25. Teaching statistics through modeling provides students with the concepts and techniques they need to understand contemporary research and statistical discourse—not just t -tests and p -values, but the description of partial and total relationships, adjustment for covariates, interpretation of statistical significance in context, and limits and possibilities of drawing causal inferences from observational or imperfect experimental data. Modern approaches make statistical modeling accessible, informative, and exciting to the general student. This hands-on workshop will show you how to teach statistical modeling at an introductory level. The workshop reviews exercises and in-class activities and provides a complete package for teaching your own course.

Become a Catalyst for Change in Statistics Education

Joan Garfield, Bob delMas, and Andy Zieffler of the University of Minnesota; Allan Rossman and Beth Chance of Cal Poly-San Luis Obispo; and John Holcomb of Cleveland State University will lead a one-day workshop on June 25 to present the new materials developed through the NSF-funded CATALST project (Change Agents for Teaching and Learning Statistics). These include activities that form units based on a particular real-world problem (e.g., how to develop a spam filter for email) and the related statistical ideas that emerge from this type of problem. The materials to be shared are designed to help students achieve the learning goals listed in the ASA-endorsed *GAISE* report (see the report at www.amstat.org/education/publications). The CATALST materials focus on important ideas of statistical inference and the use of simulation.

Special Interest Cluster Opportunities

USCOTS '09 will again offer cluster opportunities to conference participants. Cluster topics include statistics education research, study of fun, teaching statistics in the online world, and student attitudes. Cluster gatherings provide USCOTS participants who are interested in these topics the opportunity to meet with colleagues and build an action plan that moves the area forward. The clusters will be facilitated by leaders in each respective area. Each cluster is limited in size, so applications should be submitted early when registering for USCOTS. Details regarding this program and how to apply are available at www.causeweb.org/uscots/cluster. ■



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DMA 2007 Analytics Challenge <i>Targeted marketing task</i>	First Place*	
PAKDD 2007 Data Mining Competition <i>Cross-selling task, financial dataset</i>	Grand Champion*	
PAKDD 2006 Data Mining Competition <i>Upselling task, telecom dataset</i>	First Runner-Up*	
KDD Cup 2004 <i>Particle physics task</i>	Most Accurate (1st Place*)	Top Decile Lift (2nd Place*)
	Overall model fit: cross-entropy criterion (2nd place*)	Area under the ROC (2nd Place*)
Churn Modeling Tournament 2003 <i>Teradata Center for CRM at Duke</i>	Best top decile lift	Best overall model fit
	Best top decile lift (future time period)	Best overall model fit (future time period)
KDD Cup 2000 <i>Web mining task</i>	Most accurate forecast of site visitor page viewing	
	Best CRM Analytics	

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AAAS Fellows

In November, the American Association for the Advancement of Science council elected 486 members as Fellows. These individuals were recognized for their contributions to science and technology at the Fellows forum during the AAAS annual meeting in Chicago. The new Fellows received a certificate and a blue and gold rosette as a symbol of their distinguished accomplishments.

The ASA members elected as Fellows to the AAAS Section on Statistics include the following:

Mark Becker

University of
South Carolina

Bernie Devlin

University of Pittsburgh
School of Medicine

Xuming He

University of Illinois

George P. McCabe

Purdue University

George C. Roussas

University of
California, Davis

Thomas J. Santner

The Ohio State
University

Leland Wilkinson

SYSTAT Inc.

Bin Yu

University of
California, Berkeley

The entire list can be viewed at www.aaas.org/aboutaaas/fellows/new_fellows.shtml.

Thomas D. Murphy

Thomas Murphy of Morristown, New Jersey, recently received the Frank W. Reinhart Award from the ASTM International Committee on Standards in recognition of his outstanding leadership and service in the area of terminology standardization.

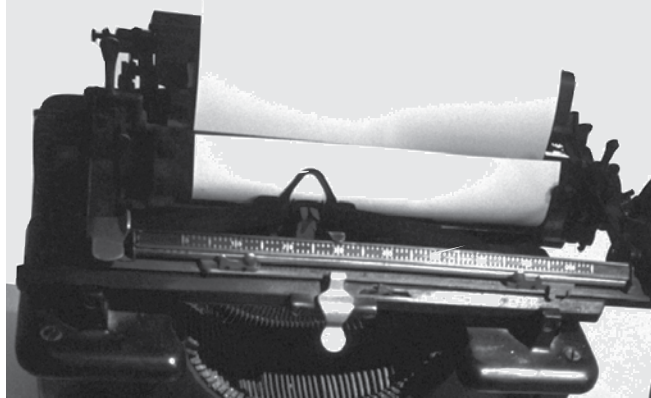
An ASTM International member since 1980, Murphy serves on Committee E11 on Quality and Statistics, where he is active on several subcommittees, and chairs E11.30 on Statistical Quality Control. He has served as chair, vice chair, and secretary of E11 and received the ASTM Award of Merit and accompanying title of fellow in 1997. He also works on committees E35 on Pesticides and Alternative Control Agents and E55 on Manufacture of Pharmaceutical Products.

Before starting T.D. Murphy Statistical Consulting LLC in 1995, Murphy spent more than 25 years working in statistics/quality control and chemical research and development at Hercules Inc. and American Cyanamid Co.

In addition to ASTM International and the American Statistical Association, Murphy is a member of the American Institute of Chemical Engineers and the American Society for Quality. He holds a BS in chemical engineering from the University of Maryland, College Park, and an MS in statistics from Rutgers University.

STATISTICIANS IN THE NEWS

Read about your colleagues and friends in the news. Go to www.amstat.org and click on "Statisticians in the News."



The Sinister World of Statistics

The BBC News web site reports on Sir Michael Scholar's accusation that statisticians are being "pilloried" for publishing independent and objective statistics.

The Odds When Birds, Subs, and Satellites Collide

Carl Bialik, from *The Wall Street Journal*, asks Peter H. Westfall to give him the odds of three rare and dangerous collisions—in the sea, air, and space—occurring in the last two months.

E-Voting Security Fixes Will Get Us Nowhere Without Stats

Science writer John Timmer reports on the talk Arlene Ash gave at the American Association for the Advancement of Science meeting, where she showed how statistics can help ensure fair elections—but only if we decide to let it.

StatsCan, Canada Post Set Example

Canwest News Service writer Derek Sankey illustrates how Statistics Canada, the federal agency that tracks Canada's population, understands diversity.

Oscar Predictions You Can Bet On!

New York Magazine shows how statistician Nate Silver used logistic regression to predict the Oscar winners.

Darwin: The Reluctant Mathematician

In *Science News*, Julie Rehmeyer writes about how Darwin contributed to the development of statistics, even though he hated anything to do with math.

Obituary Jon Morris

Jon R. Morris, 68, died January 31 at Capital Hospice in Arlington, Virginia. He had been a senior scientist with the CIA since 1998.

Morris was a mathematician with conglomerate Martin Marietta from 1984 to 1987, and then worked for the consulting firm Booz Allen Hamilton until 1998. From 1972 to 1984, he was a research design professor at the University of Minnesota. Born in Rushville, Illinois, he earned a bachelor's degree in mathematics from

Illinois Wesleyan University in Bloomington. In 1964, he earned a master's degree from the University of Denver, and, in 1971, his doctorate from the University of Colorado at Boulder. He was a member of the American Statistical Association.

Obituary Jean Smith

Jean Smith died on February 23, 2009, following a heart attack. She was 79. Jean was a Life Member of the ASA and a central figure at the association office for many years.

She was born and raised in Washington, DC, and started working for the association in 1962. She was editor of *Amstat News* for many years and helped Ed Bisgyer run the Joint Statistical Meetings. After Bisgyer retired in the '80s, Jean took over organizing meetings and overseeing publications for both the ASA and the Population Association of America. As the ASA's director of meetings and publications, she also was involved with the sections and strongly encouraged them to sponsor smaller, focused meetings, such as the Winter Conference and the Conference on

Radiation and Health. She retired in 1990 after 30 years of service.

Jean will be remembered for her willingness to help anyone and for her ability to find answers for members and staff. She was a good writer and an excellent proofreader who was a perfectionist when it came to communication leaving the office.

She is predeceased by her husband, Jim, and her daughter, Jan. She is survived by a son, Jim, and several siblings, nieces, nephews, and friends. She was buried March 11 at Arlington National Cemetery with her husband. She will be missed.

Conference Held to Honor A. K. Md. Ehsanes Saleh

B. M. Golam Kibria, Florida International University

A conference honoring A. K. Md. Ehsanes Saleh, distinguished research professor and professor emeritus at Carleton University, was held at the Bangladesh-China Friendship Conference Centre in Dhaka, Bangladesh, December 26–27, 2008. The conference recognized Saleh's outstanding contributions to the development of statistical sciences through his pioneering research, outstanding supervision of PhD students and postdoctoral fellows, and exceptional professional services.

Speakers included the governor of the Bangladesh Bank, Salehuddin Ahmed; president of Bangladesh Academy of Science, M. Shamsher Ali; and chair of the board of governors of The North South University, Abdul Awal. Before Saleh welcomed the participants, a video of his career was presented to the audience. Saleh was awarded a crest of honor while his wife, Shahidara Saleh, and granddaughter, Sarah Alam, watched proudly.

Out of 120 papers submitted, 85 were accepted for presentation at the conference. About 200 delegates from 15 countries including Australia, Bangladesh, Canada, Indonesia, Malaysia, Iran, Kuwait, Pakistan, Libya, Singapore, UK, and USA participated. Most of the contributed papers were presented by young academics and researchers from various public and private universities in Bangladesh. The conference proceedings have been published, and selected papers presented during the conference were published in the *Journal of Applied Probability and Statistics (JAPS)*.

The conference received significant attention from the media. The national daily, *The News Today*, highlighted the importance of the event and its scientific and national benefits. Several national dailies also published pre- and post-event news.

The conference paid deepest respect to late Qazi Motahar Hosain and Shaheed Moniruzzaman for introducing statistics in then East Pakistan (now Bangladesh) in the early '50s. Pioneering statisticians who participated or were recognized at the conference include M. Obaidullah, M. G. Mustafa, Anwar H. Talukder, Kazi S. Ahmed, and Sultan Ahmed. ■

Obituary Charles Woodford

Charles W. Woodford, 77, from Chicago, died February 21 at home. He started his career at Brown, Brothers, Harriman, and Co. in Chicago. He was formerly employed at First Chicago Bank of Chicago, American National Bank of Chicago, and Horace Mann Insurance Co. of Springfield. He was state treasurer for the Illinois State Treasurer's Office under Senator Adlai Stevenson III.

Woodford was a member of several associations, including the National Association of Business Economists, American Statistical Association, Financial Management Association, and the Financial Analysts Federation and Investment Analysts Society of Chicago. He was a consultant for state fiscal and budgetary management, state pension investment, and state cash management. ■

Dixon Award



Will Dixon

Will Dixon was a pioneer in statistics education and statistical software, and now his family is pioneering a new ASA award in his memory.

The first W. J. Dixon Award for Excellence in Statistical Consulting will be given this year at JSM 2009 in Washington, DC. The award, funded by a generous gift from his family, will recognize outstanding contributions to statistical consulting by individuals who have advanced the science and art of statistical consulting or analysis. Recipients will have demonstrated excellence in statistical consulting or have developed and contributed new methods, software, or ways of thinking for improving statistical practice in general.

Dixon felt strongly about the importance of statistical consulting. In his 1993 interview with Nancy Flournoy, now chair of the Department of Statistics at the University of Missouri-Columbia, he elaborated, saying that statistics “is a science in itself, not a branch of mathematics.” Statistical consulting “can be as imaginative and creative as any artistic endeavor.” Consulting statisticians should be rewarded for the

“... demonstrated art of bringing deep insight and truly creative contributions to applied research projects.”

“My father loved to look at data and relished deep involvement in medical research projects. His textbook and the BMDP software emphasized and facilitated looking deeply at the data and using robust methods. He encouraged and supported the consulting careers of many statisticians, including mine,” said Dr. Janet Elashoff, Will’s older daughter. “As a biologist, I often think about the importance of my dad’s approach to problemsolving and analysis; he looked at problems from multiple perspectives and appreciated the intrinsic variability in biological systems,” said his other daughter, Kathleen Dixon. “We know he would be pleased that an award in his name will continue to encourage and recognize excellence in statistical consulting.”

“[Statistics] is a science in itself, not a branch of mathematics.”

-Will Dixon

Dixon himself was an ASA Award winner, having received the Samuel S. Wilks Award in 1992 for his groundbreaking introductory statistics textbook, his founding role in the Division of Biostatistics in UCLA’s School of Public Health and the Department of Biomathematics in UCLA’s School of Medicine, and

his pioneering development of statistical software.

Dixon passed away on Sept. 20, 2008, at the age of 92. Dixon earned his bachelor’s in mathematics from Oregon State College in 1938, his master’s in mathematics from the University of Wisconsin in 1939, and his PhD in mathematical statistics

under Samuel S. Wilks from Princeton in 1944. He was on the faculty at the University of Oklahoma (1942–1943), the University of Oregon (1946–1955), and UCLA (1955–Emeritus since 1986). During World War II, he was an operations analyst at Princeton University and on Guam. ■

Waller Education Award



Ray Waller and his wife, Carolyn, during the 2005 JSM in Minneapolis, Minnesota

The American Statistical Association now administers the Waller Education Award. Established by a contribution from retired ASA Executive Director Ray Waller and his wife, Carolyn, this award honors an individual for innovation in the instruction of elementary statistics. The award is given to individuals early in their careers (10 or fewer years of full-time teaching) with responsibility for teaching “the first course” in statistics in a two-year college, a four-year college, or a research university. Graduate teaching assistants may be nominated for the award.

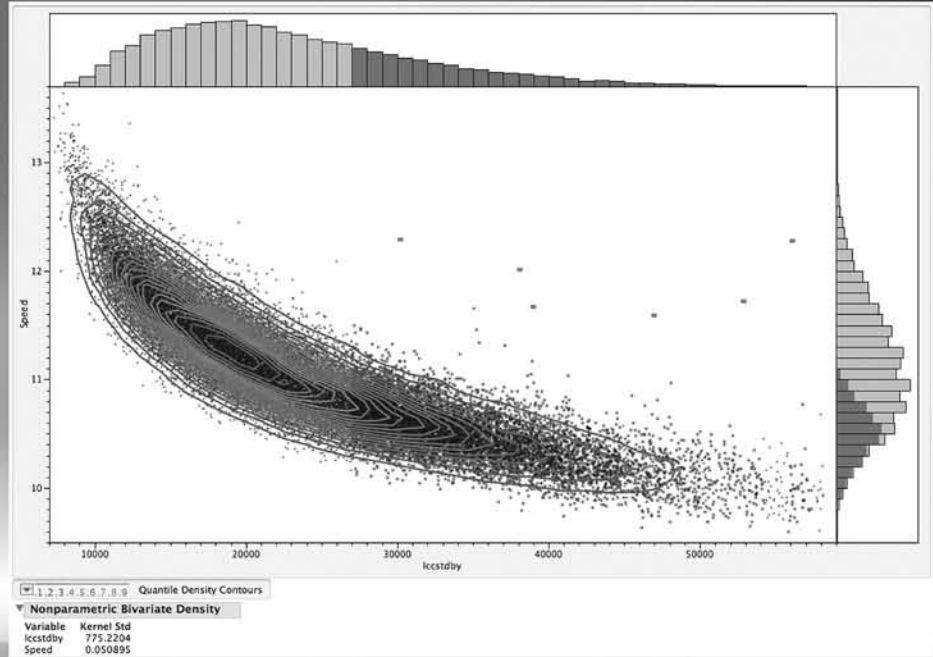
The recipient is selected according to the following:

- Commitment to teaching elementary statistics
- Demonstrated innovation in teaching elementary statistics
- Letters of support from students, colleagues, and supervisors

The first Waller Education Award was presented at JSM 2002 to Beth Chance from Cal Poly - San Luis Obispo, and was administered by the Section on Statistical Education.

Nominations for this year’s award have already been accepted. This year’s recipient will be honored at the 2009 Joint Statistical Meetings in Washington, DC, during the Tuesday night Presidential Address and Awards Ceremony.

For more information about this award and a list of past winners, visit www.amstat.org/sections/educ/waller.html. ■



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Biometrics

Exciting Program Planned for JSM 2009

Edited by Page Moore, Biometrics
Section Publications Officer

The theme of this year's Joint Statistical Meetings, to be held August 1–6 in Washington, DC, is "Statistics: From Evidence to Policy." The Biometrics Section is proud to cosponsor four short courses and a number of invited sessions. Additional information about the short courses will be provided in the May issue of *Biometrics Section News*.

Invited Sessions

The section is sponsoring an exciting program of invited sessions that span a range of topics in biostatistics. The titles and organizers of the sessions are given below.

Nonparametric Approaches for High-Dimensional Data

Organizer: Annie Qu of the University of Illinois at Urbana-Champaign

Recent Developments in Dimension Reduction

Organizer: Wensheng Guo of the University of Pennsylvania

Statistical Issues and Second Code of Life: Epigenomics

Organizers: Rebecca Doerge of Purdue University and Jaya Satagopan of Memorial Sloan-Kettering Cancer Center

The Issues of High Dimensionality and Missing Data in Complex Epidemiological Studies

Organizer: Samiran Sinha of Texas A&M

Statistical Challenges in Personalized Medicine and Genetic Guided Clinical Trials

Organizer: Colin Wu of the National Heart, Lung, and Blood Institute


Section members would like to thank Jerry Heatley, our JSM Continuing Education chair, and Wensheng Guo, our JSM program chair, for the wonderful job of organizing the course and sessions they did. Visit the online program at www.amstat.org/meetings/jsm/2009 for updates on locations and times.

JSM 2010

It's already time to start thinking about invited sessions for next year's Joint Statistical Meetings, which will be held July 31–August 5 in

Vancouver, British Columbia, Canada. Anyone interested in organizing an invited session or sharing an idea for one should contact the section's 2010 program chair, Hormuzd Katki, at katkih@mail.nih.gov.

A typical invited session consists of three 30-minute talks followed by a 10-minute invited discussion and 10 minutes of floor discussion. However, other formats are possible. The 2009 program is a good source for examples. Decisions will be made in July, so don't delay! ■



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Past presenters include:
Scott Berry, Ray Carroll, Brad Carlin, David Ruppert, Stuart Hunter, Donald Rubin, Dave Higdon, David Draper, Charles McCulloch, John Nelder, Terry Therneau, Russell Wolfinger, Gary Koch, R. Todd Ogden and others...

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http://statistics.byu.edu/summer_institute

Early registration deadline is May 27, 2009

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Registration Open for Spring Research Conference

Boxin Tang of Simon Fraser University, SRC 2009 Program Chair, and George Ostrouchov of Oak Ridge National Laboratory, SPES JSM Program Chair-elect



Vancouver, British Columbia —The destination of SRC in 2009

The 16th Spring Research Conference on Statistics in Industry and Technology will take place May 27–29, 2009, at the Executive Plaza Hotel & Conference Centre Coquitlam in Vancouver, British Columbia, Canada.

The objective of the conference is to promote cross-disciplinary research in statistical methods in engineering, science, and technology. This is to be interpreted broadly to cover a range of application areas, including environment, information, and manufacturing sciences. The conference is intended to stimulate interaction among statisticians, researchers in the application areas, and industrial practitioners. It will provide a forum for participants to describe current research, identify important problems and areas of application, and formulate future research directions. Student scholarships that cover registration fees and a majority of local living expenses are typically provided to some graduate student attendees. These recipients are selected from students who submit contributed papers and ask to be considered for a scholarship.

Keynote talks will be given by Jeff Wu of Georgia Tech and Jonty Rougier of the University of Bristol. In addition, 13 invited sessions have been organized, covering such topics as experimental design, field reliability, geoscience, and drug discovery.

For information or to register, go to www.stat.sfu.ca/~boxint/src2009. Be sure to check back often for updates. If you have questions, contact SRC 2009 Program Chair Boxin Tang at boxint@stat.sfu.ca. For questions regarding registration, contact Joshua Dobbs at jdobbs@mitacs.ca.

JSM 2009 Roundtables with Lunch

One of my favorite activities at JSM is participating in roundtables with lunch. It always involves a pleasant discussion surrounding a focused topic, a networking opportunity, and good food. This year, SPES is sponsoring six roundtables, two each day, on a range of interesting topics.

Climate has been a hot topic for a number of years now. Doug Nychka of the National Center for Atmospheric

Research will lead a discussion called “Climate: Past, Present, and Future,” where participants will discuss the role of statistical science in quantifying the uncertainty in scientific conclusions, combining information, and summarizing complex data sets.

If you would like to discuss how to analyze reliability data, David Trindade of Sun Microsystems will lead a talk called “The Many Forms of Reliability Data” and discuss appropriate analysis techniques.

Computational models are continuing to be more common in many physical and engineering sciences. Thomas Santner of The Ohio State University will consider synergistic approaches during his talk, titled “Integrating Computer and Other Types of Experiments.”

You might have noticed your new computer does not have a faster clock speed, but does have more processors that can work in tandem. Hao Yu of the University of Western Ontario and the author of the Rmpi package, will lead a discussion about the state of various approaches during the roundtable titled “Parallel Statistical Computing with R.”

Ramon Leon of the University of Tennessee has been interacting with his students on Facebook and plans to discuss his experiences during “Using the New Technologies in Teaching Introductory Statistics.”

Recent energy issues have propelled nuclear energy back to the forefront, so Bernard Harris of the University of Wisconsin will lead a discussion titled “Future of Nuclear Power” and discuss the role of mathematicians and statisticians.

A detailed description of each roundtable can be viewed in the JSM 2009 online program at www.amstat.org/meetings/jsm/2009. Each roundtable is limited to 10 participants, so register early. ■

Spring 2008 Activities Plentiful for San Diego Chapter

2008 was productive for the San Diego Chapter (SDASA). On March 7, Ken Burnham presented a one-day course, titled "Model Selection and Multi-Model Inference." Burnham is a senior scientist with the United States Geological Survey (Biological Resources Discipline), assistant unit leader with the Colorado Cooperative Fish and Wildlife Research Unit, and professor at Colorado State University.

The workshop had more than 20 attendees and took place at the University of California, San Diego (UCSD). Given Burnham's research emphasis on theory and application of information-theoretic data-based model selection and multi-model



Ken Burnham (left), who presented a one-day course titled "Model Selection and Multi-Model Inference," and Bob Riffenburgh

inference, the focus of the course was model assessment, selection, and various facets of multi-model inference, including methods of model averaging. Also a focus was the Akaike information criterion and its relationship to other established criteria, such as the Bayesian information criterion and likelihood ratio test.

On April 2, SDASA provided a team of judges for the 2008 Greater San Diego Science and Engineering Fair. Judges were Chris Ake (who coordinated the SDASA team), Colleen Kelly, Dale Glaser, Jacinte Jean, Barbara Bailey, Shah Golshan, Caroline Lanigan, and Matthew Marler. The fair featured a variety of topics, and



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From left: Larry Shen (Amylin), Colleen Kelly (Exponent, Inc.), Harold Dyck (California State, San Bernardino), and Arnold Goodman (Collaborative Data Solutions)

the judges reviewed projects from such diverse areas as animal sciences, biochemistry, environmental sciences, engineering, medicine and health sciences, and behavioral and social sciences. Each judge was responsible for reviewing up to 20 projects.

Members of SDAS attended the second annual Greater San Diego Math Council/University of California, San Diego High School Honors Statistics Contest Awards Dinner on May 7. The dinner, held at the UCSD Faculty Club, was well-attended by students, parents, faculty members, high-school teachers, and the current SDASA presidents—Glaser and Sheila Talwalker

(past-president). Awards were presented to students who excelled in the two-part statistics test, and the awardees showed their derivations to the second part of the test to the audience. Glaser gave a presentation on the role of the ASA and the chapter and presented \$500 awards to the top two winners of the contest. Eleven high schools participated.

On May 31, SDASA hosted the 9th annual Statistical Careers Day at the UCSD Center for Molecular Genetics. More than 100 high-school and college students, prospective job-seekers, and professional statisticians attended. After Glaser's brief presentation about the ASA, SDASA, and career options

in statistics, keynote speaker Nicholas Schork, director of research at Scripps Genomic Medicine and professor of molecular and experimental medicine at Scripps Health and the Scripps Research Institute, gave a talk titled "Modern Statistical Genetics and Genomics: Making Sense of DNA Variations." The talk was accessible to the diverse audience, and career opportunities and required training were discussed.

There was also a panel that focused on what an employer wants in a statistician and what a statistician wants in an employer. Glaser moderated the discussion using a set of focused questions, and we were honored to have the following statisticians—active in both academia and industry—participate: Colleen Kelly (Exponent Inc.), Harold Dyck (California State San Bernardino), Arnold Goodman (Collaborative Data Solutions), and Larry Shen (Amylin). Panelists offered their perspectives on expectations of those entering the field, the roles of a statistician, preparatory skills for the interviewing/recruiting process, and desired maintenance behavior once in the field.

Ake concluded the panel with a brief synopsis of the role SDASA played in the 2008 Greater San Diego Science and Engineering Fair and gave awards to the top-rated students. Lunch was provided after a door prize raffle (that included gear from the ASA), and exhibitors, corporate sponsors, and representatives from area universities were available to discuss training opportunities and job prospects after lunch. A statistics poster competition with special contributions from area high-school students also was held and cash prizes were awarded for the three best entries.

Finally, SDASA hosted its end-of-the-year event: an annual picnic. More than 70 members (and their families) attended. ■

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Applying Quantitative Bias Analysis to Epidemiologic Data

T. L. Lash, M. P. Fox, A. K. Fink, Boston University School of Public Health,

Boston, MA, USA

This text provides the first-ever compilation of bias analysis methods for use with epidemiologic data. It guides the reader through the planning stages of bias analysis, including the design of validation studies and the collection of validity data from other sources.

Contents ▶ Introduction, objectives and an alternative ▶ A guide to implementing quantitative bias analysis ▶ Data sources for bias analysis ▶ Selection bias ▶ Unmeasured and unknown confounders ▶ Misclassification ▶ Multidimensional bias analysis ▶ Probabilistic bias analysis ▶ Multiple bias modeling ▶ Presentation and inference.

2009. Approx. 345 p. (Statistics for Biology and Health) Hardcover
ISBN 978-0-387-87960-4 ▶ **\$79.95**

Maximum Penalized Likelihood Estimation

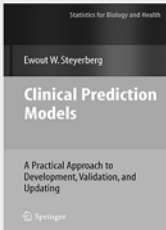
Volume II: Regression

P. P. Eggermont, V. N. LaRiccia, University of Delaware, Newark, DE, USA

This book covers both theory and practice of nonparametric estimation, and is intended for graduate students in statistics and industrial mathematics. The text is novel in its use of maximum penalized likelihood estimation, and the theory of convex minimization problems to obtain convergence rates.

Contents ▶ Nonparametric Regression Problems ▶ Asymptotic Optimality of GCV for Periodic Smoothing Splines ▶ Tikhonov Regularization of Ill-posed Problems ▶ EM Algorithms for Nonparametric Maximum Likelihood Estimation Problems ▶ Majorizing Functions and Monotonicity Properties of EM Algorithms and the Like ▶ Alternating Projection Methods of Csizs r and Tusn dy

2008. XVI, 572 p. (Springer Series in Statistics) Hardcover
ISBN 978-0-387-40267-3 ▶ **\$89.95**



Clinical Prediction Models

A Practical Approach to Development, Validation, and Updating
E. W. Steyerberg, Erasmus MC, Rotterdam, The Netherlands

This book aims to provide insight and practical illustrations on how modern statistical concepts and regression methods can be applied in medical prediction problems, including diagnostic and prognostic outcomes.

Contents ▶ Introduction ▶ Applications of prediction models ▶ Study design for prediction models ▶ Statistical models for prediction ▶ Overfitting and optimism in prediction models ▶ Choosing between alternative statistical models ▶ Dealing with missing values ▶ Case study on dealing with missing values ▶ Coding of categorical and continuous predictors ▶ Restrictions on candidate predictors ▶ Selection of main effects ▶ Assumptions in regression models: Additivity and linearity ▶ Modern estimation methods ▶ Estimation with external methods ▶ Evaluation of performance ▶ Clinical usefulness ▶ Validation of prediction models ▶ Presentation formats ▶ Patterns of external validity ▶ Updating for a new setting ▶ Updating for a multiple settings ▶ Prediction of a binary outcome: 30-day mortality after acute myocardial infarction ▶ Case study on survival analysis: Prediction of secondary cardiovascular events ▶ Lessons from case studies.

2009. XXVIII, 500 p. (Statistics for Biology and Health) Hardcover
ISBN 978-0-387-77243-1 ▶ **\$89.95**

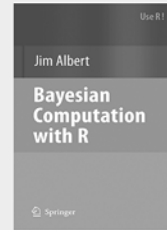
Dynamic Linear Models with R

G. Petris, University of Arkansas, Fayetteville, AR, USA; S. Petrone, Università Bocconi, Milan, Italy; P. Campagnoli, Università de Milano-Bicocca, Milan, Italy

The book focuses on simple dynamic linear models (DLMs) only to provide the reader with a solid understanding of the DLMs and the computational tools needed to use them.

Contents ▶ Introduction ▶ Dynamic linear models ▶ Models and examples I: model specification ▶ Models and examples II: unknown parameters ▶ Topics.

2008. XII, 252 p. (Use R) Softcover
ISBN: 978-0-387-77237-0 ▶ **approx. \$59.95**



Bayesian Computation with R

J. Albert, Bowling Green State University, Bowling Green, OH, USA

This book is a suitable companion book for an

introductory course on Bayesian methods and is valuable to the statistical practitioner who wishes to learn more about the R language and Bayesian methodology. The second edition contains several new topics.

Contents ▶ An introduction to R ▶ Introduction to Bayesian thinking ▶ Single-parameter models ▶ Multiparameter models ▶ Introduction to Bayesian computation ▶ Markov chain Monte Carlo methods ▶ Hierarchical modeling ▶ Model comparison ▶ Regression models ▶ Gibbs sampling ▶ Using R to interface with WinBUGS.

2nd ed. 2009. Approx. 310 p. Softcover
ISBN 978-0-387-92297-3 ▶ **\$59.95**

Introductory Time Series with R

P. S. Cowpertwait, Massey University, Auckland, New Zealand; A. Metcalfe, University of Adelaide, SA, Australia

This book gives a step-by-step introduction to analysing time series using the open source software R. Each time series model is motivated with practical applications, and is defined in mathematical notation.

Contents ▶ Time series data ▶ Correlation ▶ Forecasting strategies ▶ Basic stochastic models ▶ Regression ▶ Stationary models ▶ Non-stationary models ▶ Long memory processes ▶ Spectral analysis ▶ System identification ▶ Multivariate models ▶ State space models.

2009. Approx. 280 p. (Use R) Softcover
ISBN 978-0-387-88697-8 ▶ **\$59.95**



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* Indicates events sponsored by the American Statistical Association or one of its sections, chapters, or committees

» Indicates events posted since the previous issue

2009

April

23–24—Recent Developments in Applied Probability and Statistics, Ankara, Turkey

The Institute of Applied Mathematics at Middle East Technical University and the Department of Mathematics at Darmstadt Technical University are organizing this workshop in memory of Juergen Lehn, who passed away on September 29, 2008. For more information, visit www3.iam.metu.edu.tr/juergenlehn or contact Zeynep Kalaylioglu, Department of Statistics, Middle East Technical University, Ankara, International 06531, Turkey; zeynepisil@yahoo.com.

24–25—R/Finance 2009: Applied Finance with R, Chicago, Illinois

Confirmed keynote speakers include Patrick Burns (Burns Statistics), Robert Grossman (University of Illinois at Chicago), David Kane (Kane Capital), Roger Koenker (University of Illinois at Urbana/Champaign), David Ruppert (Cornell), Diethelm Wuertz (ETH Zuerich), and Eric Zivot (University of Washington). For more information, visit www.rinfinance.com or contact Dale Rosenthal, 601 S. Morgan St. (MC 168), 2421 University Hall, Chicago, IL 60607; daler@uic.edu.

25—The 23rd New England Statistics Symposium, Storrs, Connecticut

The Department of Statistics of the University of Connecticut will host this symposium to bring together statisticians from all over New England. Invited

keynote speakers are James O. Berger and Richard A. Davis. There will be a half-day short course, “Hierarchical Modeling for Spatially Referenced Data with Applications to Environmental Sciences and Public Health.” There also will be several theme and contributed paper sessions. Talks on all aspects of statistics and probability are invited. The NISS Affiliates Annual Meeting also will be held in Storrs on April 24. For more information, visit www.stat.uconn.edu/www or contact Ming-Hui Chen, 215 Glenbrook Road, Unit 4120, Storrs, CT 06269-4120; (860) 486-6984; mhchen@stat.uconn.edu.

25–27—2nd International Conference on Computer Science and Global Communication Technology, Kathmandu, Nepal

Formerly titled the International Conference on Computer Science, Its Applications, and Global Communications, CSGCT 09 has a sharpened focus in addition to a new name. CSGCT aims to bring together a community of academics and industry practitioners who are creating innovative

applications by integrating advances in computer science, software engineering, telecommunication engineering, database, and business information technology. For more information, visit www.iswabs-ads.com or contact Reson Shrestha, Nayabazar -16, Kathmandu, International 977, Nepal; 9779803947827; chair@iswabs-ads.com.

27—All-Day Symposium in Honor of Dr. Edmund Gehan, Washington, DC

The Department of Biostatistics, Bioinformatics, and Biomathematics at Georgetown University and the Lombardi Comprehensive Cancer Center invite you to an all-day symposium in honor of Edmund Gehan, professor emeritus of biostatistics. Invited speakers are Dennis Dixon, Jonas Ellenberg, Susan Ellenberg, Emil J. Freireich, Stephen George, J. Jack Lee, Aiyi Liu, Karen Messer, Peter Thall, and Marvin Zelen. For details, visit <http://dbbb.georgetown.edu/News/gehansymposium> or contact Caroline Wu, Suite 180, Building D, 4000 Reservoir Road NW, Washington, DC 20057; (202) 687-4114; ctw26@georgetown.edu.

»*29—Second Annual University of Pennsylvania Conference on Statistical Issues in Clinical Trials: From Bench to Bedside to Community, Philadelphia, Pennsylvania

The 2009 conference will bring together leading scientists who will make presentations and lead open discussions about state-of-the-art and developing methods. A range of topics linked closely to translational medicine will be examined. The conference will conclude with a panel discussion to synthesize and challenge earlier

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presentations, as well as to propose future directions. For more information, visit www.cceb.upenn.edu/biostat/conferences/ClinTrials09 or contact Jonas Ellenberg, 423 Guardian Drive, Room #604, Philadelphia, PA 19104; (215) 573-3903; jellenbe@mail.med.upenn.edu.

29–30—European Forum for Qualified Person for Pharmacovigilance (QPPV) 2009, Canary Wharf, United Kingdom
European legislation requires all marketing authorization holders to have one qualified person for pharmacovigilance (QPPV). Although acknowledged to be a vital function, there is little practical guidance on how QPPV responsibilities should best be conducted. The objectives of this forum are to evaluate the place of a QPPV in the future strategy for the EU pharmacovigilance system, share experiences, understand the challenges of being a QPPV for small and medium enterprises and contractually within CROs, advance understanding of the legal aspects for a QPPV, enable QPPVs to articulate their role in the company, and build on initiatives from the 2008 forum. For more information, visit www.diahome.org/DIAHOME/Education or contact Senior Manager Marketing, Europe, DIA, Postfach, Basel, International 4002, Switzerland; +41 61 225 51 51; talana.beretschi@diaeurope.org.

***30–5/2—SDM09: The Ninth SIAM International Conference on Data Mining, Reno, Nevada**
This conference provides a venue for researchers to present their work in a peer-reviewed forum. It is also an ideal setting for graduate students and others new to the field to learn about cutting-edge research by hearing talks, attending tutorials (included with conference registration), and participating in workshops held on the last day of the conference. Conference proceedings from previous years are available at www.siam.org/proceedings. For more information, visit www.siam.org/meetings/sdm09 or contact Chandrika Kamath, 7000 East Avenue, L-561, Livermore, CA 94551; (925) 423-3768; kamath2@llnl.gov.

May

3–8—Statistical Advances in Genome-Scale Data Analysis, Ascona, Switzerland
This interdisciplinary workshop will address the challenges posed by the enormous need for quantitative data integration and modeling in biology. Targeted areas include emerging technologies, analysis of DNA composition data, machine learning with genome-scale biomolecular data, pharmacogenomics, and systems approaches with heterogeneous data types. We strongly encourage pre-registration; in previous years, places have filled up quickly. For details, visit stat.ethz.ch/talks/Ascona_09 or contact Cecilia Rey, Seminar für Statistik, ETH Zentrum, LEO D11, Zürich, International 8092, Switzerland; sekretariat@stat.math.ethz.ch.

»5–6—Early Drug Development: Navigating the Treacherous Rapids, Silver Spring, Maryland
This dynamic, interactive workshop will incorporate a hands-on, small-team, discussion-based approach with targeted presentations that discuss real-world strategies. Professionals from industry and the FDA will facilitate all sessions, including team breakout and report-back sessions. For more information, visit <http://diabome.org/DIAHOME/Education/FindEducationalOffering.aspx?productID=20400&eventType=Meeting> or contact Marketing Manager, 800 Enterprise Road, Suite 200, Horsham, PA 19044; (215) 442-6100, dia@diabome.org.

14–17—American Association for Public Opinion Research Annual Conference, Hollywood, Florida
This year's conference will bring together almost 1,000 of the country's leading public opinion research scientists to discuss and analyze the latest research on public opinion and survey methodology, theory, and results. The theme—Public Choices in Changing Times—highlights the tectonic shifts in media technology that have brought unprecedented variety in entertainment and information options, even as they have spawned entirely new means of reaching and cultivating audiences and public and placed traditional methods of public opinion research in a state of flux.

The conference will feature papers, posters, methodological panels, and demonstrations. For details, visit www.aapor.org or contact Monica Evans-Lombe, P.O. Box 14263, Lenexa, KS 66285-4263; (913) 895-4601; mevanslombe@goamp.com.

15–17—Innovation and Inventiveness in Statistics Methodologies, New Haven, Connecticut
This workshop will emphasize areas of statistical research offering innovative approaches to problems arising in various branches of the sciences. At the same time, the workshop will cover topics of fundamental statistical theory having broad applicability. In addition to the core invited talks, the workshop will feature poster sessions and discussion sessions, providing a forum for participants to interact and exchange ideas. For more information, visit www.stat.yale.edu/Stats2009 or contact Harrison Zhou, 24 Hillhouse Ave., New Haven, CT 06511; (203) 432-0643; huibin.zhou@yale.edu.

***18–20—32nd Annual Midwest Biopharmaceutical Statistics Workshop (MBSW), Muncie, Indiana**
Cosponsored by Ball State University and the Biopharmaceutical Section of the ASA, this workshop will be held at the Alumni Center of Ball State University. Michael O'Connell (Tibco) will present a half-day short course, titled "Integrating Graphics and Statistics Across Pharmaceutical Research and Development." Invited talks will be presented in four parallel tracks: clinical, discovery/pre-clinical, nonclinical, and post-marketing. There will also be a contributed poster session. Poster abstracts must be submitted by April 20, 2009. Students may submit posters for the Charlie Sampson Award. For details, visit www.mbswonline.com or contact Melvin Munsaka, One Takeda Parkway, Deerfield, IL 60015; (847) 582-3533; mmunsaka@tgrd.com.

25–29—41st Annual Conference of the French Statistical Society, Bordeaux, France
For information, visit www.sm.u-bordeaux2.fr/JDS2009/index.html or contact Marta Avalos, 146 rue Leo

Saignat, Bordeaux, International 33076, France; 33 557 5715 34; *Marta.Avalos@isped.u-bordeaux2.fr*.

***27–29—2009 Spring Research Conference on Statistics in Industry and Technology, Vancouver, British Columbia**

This conference aims to promote research in statistical methods that address problems in industry and technology and to stimulate interaction among statisticians, researchers in the application areas, and industrial practitioners. It also strives to encourage graduate students to pursue careers in industry and technology; students are charged a reduced registration fee, and scholarships are given to selected graduate students who present contributed papers. For details, visit *www.stat.sfu.ca/~boxint/src2009* or contact Boxin Tang, Department of Statistics and Actuarial Science, Burnaby, British Columbia V5A 1S6, Canada, (778)782-4898, *boxint@stat.sfu.ca*.

31–6/3—37th Annual Meeting of the Statistical Society of Canada, Vancouver, Canada

This conference will bring together academic, governmental, and industrial researchers, as well as users of statistics and probability. It will present workshops and invited and contributed sessions. The SSC features sections in biostatistics, survey methods, business and industrial statistics, and probability. Consequently, the program will include papers in all areas of statistics and probability. About 450 statisticians are expected to participate. For more information, visit *www.ssc.ca* or contact Christian Léger, University of Montréal, Department of Mathematics and Statistics, CP 6128 Succursale Centreville, Montréal, Quebec H3C 3J7, Canada; (514) 343-7824; *leger@dms.umontreal.ca*.

June

***2–5—2009 Quality & Productivity Research Conference, Yorktown Heights, New York**

The conference theme is “Data, Statistics, and Vision Lead to Great Decisions.” The focus, as always, will be on presenting leading edge research by academic and

Conference In Honor of James O. Berger

March 17–20, 2010

University of Texas at San Antonio, Texas

In honor of James O. Berger and his contributions to the statistics community, a conference titled “Frontier of Statistical Decisionmaking and Bayesian Analysis” will be held at the downtown campus of the University of Texas at San Antonio. Prior to the conference, on Wednesday, March 17, short courses on various statistical topics will be offered.

For more conference information, please contact Keying Ye (*Keying.Ye@utsa.edu*) or visit *http://bergerconference2010.utsa.edu*.

industrial statisticians and showing the best new statistical methods for improving industrial quality and productivity. There will be a pre-conference, full day course on June 2, followed by two and a half days of plenary/invited/contributed/tutorial sessions and special events. For more information, visit *research.ihost.com/qprc_2009* or contact Emmanuel Yashchin, IBM T. J. Watson Research Ctr., P.O. Box 218, Yorktown Heights, NY 10598; (914)-945-1828; *yashchi@us.ibm.com*.

»*3–5—Celebrating 75 Years of Statistics at Iowa State, Ames, Iowa

The Department of Statistics and Statistical Laboratory at Iowa State University are hosting a conference to celebrate the 75th anniversary of the Statistical Laboratory. The occasion will also mark the rededication of the newly renovated Snedecor Hall and the retirement of Dean Isaacson. Plenary talks on emerging topics in statistics will be given, as well as a range of invited presented by leading researchers. Topics will include experimental design, survey statistics, spatial statistics, high-dimensional data, ordered data, model selection, resampling methods, visualization, and statistical theory. A contributed poster session and mixer will be held following the rededication of Snedecor Hall. Applications for contributed posters will be accepted through May 1. For more information, visit *www.stat.iastate.edu* or contact Tjernagel Marlene, Department of Statistics, Snedecor Hall, Ames, IA 50011-1210; (515) 294-3440; *statlab75@iastate.edu*.

4–6—Workshop on Statistical Methods for Dynamic System Models, Vancouver, British Columbia, Canada

This workshop aims to foster the growing demand for research and collaboration between statisticians and dynamic systems modelers through a mixture of presentations about new statistical methods, novel applications of dynamic systems, and areas in need of further collaboration. Alongside the goal of bringing researchers together from diverse areas to share current research, the workshop aims to transfer technology and cultivate new research in applied dynamics systems. For more information, visit *http://stat.sfu.ca/~dac51/workshop09* or contact Jiguo Cao, Department of Statistics and Actuarial Science, BURNABY, British Columbia V5A1S6, Canada; (778) 782-7600; *jca76@sfu.ca*.

5–9—O-Bayes09, Philadelphia, Pennsylvania

The 2009 International Workshop on Objective Bayes Methodology will facilitate the exchange of recent research developments in objective Bayes methodology and provide opportunities for new researchers to establish partnerships. O-Bayes09 also will further crystallize objective Bayes methodology as an established area for statistical research. The workshop will consist of invited talks, followed by discussion, and one or more sessions dedicated to contributed posters. The first day of the workshop will include longer ‘tutorial’ sessions. For more information, visit *stat.wharton.upenn.edu/statweb/Conference/OBayes09/OBayes.html*

or contact Linda Zhao, 3730 Walnut St., Philadelphia, PA 19104; (215) 898-8228; lzhao@wharton.upenn.edu.

***7–10—Southern Regional Conference on Statistics Annual Summer Research Conference, Jekyll Island, Georgia**

The annual SRCOS Summer Research Conference is designed to bring together statistical researchers at all levels to learn about current areas of investigation and trends in statistics, including statistics education. The conference format consists of morning, early afternoon, and evening sessions, leaving late afternoons open for informal professional discussions and social interaction. New researchers and graduate students are encouraged to contribute poster presentations. Keynote speakers include Raymond Carroll (Texas A&M), Malay Ghosh (University of Florida), Michael Kosorok (The University of North Carolina at Chapel Hill), Xihong Lin (Harvard University), Thomas Louis (The Johns Hopkins University), and Pranab Sen (The University of North Carolina at Chapel Hill). For more information, visit www.sph.emory.edu/srcos2009 or contact Bob Waggoner, 1518 Clifton Road, NE, #318, Atlanta, GA 30322; (404) 727-7693; rwaggon@sph.emory.edu.

8–9—Statistical Modeling for Biological Systems: A Conference in Memory of Andrei Yakovlev, Rochester, New York

The Department of Biostatistics and Computational Biology will host a scientific conference to honor late chairman Andrei Yakovlev, who led a major expansion of the department, tripling its size and greatly increasing its scope, while vigorously pursuing research programs in a number of areas at the intersection of mathematics, statistics, and biology. Many of Yakovlev's collaborators have accepted invitations to participate as have other distinguished researchers who have worked in related areas. There will be opportunities to present papers, in poster format, related to Yakovlev's interests. It is intended to publish the papers presented in a peer-reviewed commemorative volume of proceedings. For more information, visit www.urmc.rochester.edu/biostat/ayconference or contact Cheryl Cicero, 601 Elmwood Ave., Box 630, Rochester, NY 14624; cheryl_cicero@urmc.rochester.edu.

8–10—Workshop on Parameter Estimation for Dynamical Systems, Eindhoven, The Netherlands

The aim of the workshop is to provide a meeting place for researchers in this new and challenging area of statistical research. They will review different methods used to tackle the problem, assess the achieved progress, and identify future research directions. Invited speakers include Nicolas Brunel (Évry), David Campbell (Vancouver), Edward Ionides (Ann Arbor), David Lunn (London), Kimberley McAuley (Kingston), Eric Mjolsness (Irvine), James Ramsay (Montréal), Eberhard Voit (Atlanta), and Victor Zavala (Argonne). For more information, visit www.eurandom.tue.nl/workshops/2009/PEDS/PEDS_main.htm or contact Shota Gugushvili, Den Dolech 2, Eindhoven, International 5612 AZ, The Netherlands; +31 40 2478113; gugushvili@eurandom.tue.nl.

10–12—ITACOSM09 - First ITALian Conference on Survey Methodology, Siena, Tuscany, Italy

This conference serves as a scientific forum on development, testing, and application of survey sampling methodologies in economics, social and demographic sciences, official statistics, and studies on biological and environmental phenomena. Keynote speakers include Yves Berger (University of Southampton), Timothy Gregoire (Yale University), Carl Erik Särndal (University of Montréal), and Yves Tillé (Université de Neuchâtel). For details, visit www.unisi.it/eventi/dmq2009 or contact Lorenzo Fattorini, University of Siena, Via Valdimontone 1, Siena, International 53100, Italy; itacosm09@unisi.it.

»10–12—NBBC09 - 2nd Nordic-Baltic Biometric Conference, Tartu, Estonia

Keynote lectures will be given by Martyn Plummer, Nanny Wermuth, and Eric Renshaw. There also will be invited sessions covering causal inference in genetics, demography and statistics, spatial statistics, life course epidemiology, and bioinformatics. A pre-conference course on causal inference will be given June 9–10. For more information, visit www.ms.ut.ee/NBBC09 or contact Krista Fischer,

Robinson Way, Cambridge, International CB20SR, UK; +44 1223 763853; Krista.Fischer@mrc-bsu.cam.ac.uk.

»14–19—International Conference on Robust Statistics, Parma, Italy

The aim of this conference is to bring together established and young researchers from around the world who are actively working on and/or interested in the theory, application, and overall development of robust statistics and related fields. The conference will provide a forum for leading experts and young researchers to discuss recent progress in the field, exchange ideas, and make informal contacts. Although robust statistics is the core of the conference, emphasis will be placed on interdisciplinary research and the interaction between theory and practice. For more information, visit www.icors2009.unipr.it or contact Claudio Agostinelli, San Giobbe, Cannaregio 873, Venice, International 30121, Italy; +39 041 2347446; claudio@unive.it.

15–17—Second International Workshop in Sequential Methodologies, Troyes, France

IWSM is organized every two years and covers all aspects of sequential methodologies. Particular themes will include optimal stopping, sequential analysis, sequential estimation, hypotheses testing, change-point detection and isolation, mathematical finance, quality control, clinical trials, sequential methods in signal/image processing, sensors networks, surveillance and monitoring, fault detection and isolation, and teaching sequential methodologies. For more information, visit www.utt.fr/iwsm2009 or contact Igor Nikiforov, UTT, 12 rue Marie Curie BP 2060, Troyes, International 10010, France; +33 3 25 71 56 78; Igor.Nikiforov@utt.fr.

17–19—Summer Institute of Applied Statistics, Provo, Utah

The 34th Annual Brigham Young University Summer Institute of Applied Statistics will be presented by Di Cook of Iowa State University. "Exploring Data Visually" teaches the process of extracting knowledge from data, using interactive graphics as an integral part of the statistical analysis. For more information, visit

http://statistics.byu.edu/summer_institute or contact Kathi Carter, 223 TMCB, Provo, UT 84602; (801) 422-4506; kathi_carter@byu.edu.

18—NIC-ASA Summer Workshop, Northbrook, Illinois

The Northeastern Illinois Chapter of the American Statistical Association (NIC-ASA) will host its annual summer workshop, covering clinical trial designs for predictive biomarkers validation and pharmacogenomics. For details, visit www.amstat.org/chapters/Northeasternillinois or contact Xuejun Peng, 675 North Field Drive, Lake Forest, IL 60045; xpeng@tgrd.com.

18–19—Conference on Quantitative Social Science Research Using R, Bronx, New York

This conference will focus on applications of the R software and graphics system to important policy and research problems. Papers presented will be both theoretical and applied. There will be poster and parallel sessions, and we expect to produce a CD containing R programs. A proceedings volume also is planned. For details, visit www.cis.fordham.edu/QR2009 or contact Hrishikesh Vinod, Economics Dept., 441 E. Fordham Road, Bronx, NY 10458; (718) 817-4065; qssur@fordham.edu.

18–20—Econometrics, Time Series Analysis, and Systems Theory: A Conference in Honor of Manfred Deistler, Vienna, Austria

The purpose of this conference is to celebrate Manfred Deistler's scientific achievements. It will consist of a series of invited and contributed presentations. Invited speakers are Brian D.O. Anderson, Laurent Baratchart, A. Ronald Gallant, Michel Gevers, Marco Lippi, Ingmar Prucha, Peter M. Robinson, and Jan Willems. For more information, visit www.ihp.ac.at/etsast or contact Benedikt Pötscher, Department of Statistics, University of Vienna, Vienna, International A-1010, Austria; +431 427738640; benedikt.poetscher@univie.ac.at.

18–20—BISP6 - Bayesian Inference in Stochastic Processes, Bressanone/Brixen, Italy

This workshop will bring together experts to review, discuss, and explore directions of development of Bayesian inference in stochastic processes and in the use of stochastic processes for Bayesian inference. There will be sessions on Markov processes; state-space models; and spatial, empirical, birth-death, and branching processes. Theoretical and applied contributions are welcome. For more information, visit www.mi.imati.cnr.it/conferences/bisp6.html or contact Fabrizio Ruggeri, via Tremelloni 15, Milano, International 20133, Italy; +39 0223699521; bisp6@mi.imati.cnr.it.

21–24—ICSA 2009 Applied Statistics Symposium, San Francisco, California

Short courses will be offered on June 21, with more than 50 scientific sessions taking place from June 22–24. Keynote speakers include Wing Hung Wong, Nicholas Jewell, and Ronald Wasserstein. Contributed paper abstracts may be

submitted to Jiming Jiang at jiang@wald.ucdavis.edu by May 1, 2009. For more information, visit <http://icsa2.org/2009> or contact Ying Lu, 185 Berry Street, Suite 350, San Francisco, CA 94143-0946; ying.lu@radiology.ucsf.edu.

21–25—7th Workshop on Bayesian Nonparametrics, Moncalieri (Turin), Italy

The aim of this workshop is to highlight the latest developments in Bayesian nonparametrics, covering a variety of theoretical and applied topics. For more information, visit bnpworkshop.carloalberto.org or contact Pierpaolo De Blasi, via Real Collegio 30, Moncalieri, International 10024, Italy; +39 0116705282; bnp@carloalberto.org.


22–26—6th International Conference on Extreme Value Analysis/Graybill VIII, Fort Collins, Colorado

The 2009 EVA meeting will feature presentations on all aspects of risk and extreme value theory and their

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applications. Emphasis will be on probabilistic modeling; statistical analyses; and applications in climate and atmospheric science, geosciences, hydrology, finance, economics and insurance, biosciences, physics, telecommunications, and stochastic networks. For more information, visit www.stat.colostate.edu/graybillconference or contact Dan Cooley, 1877 Campus Route, Dept. of Statistics, Fort Collins, CO 80523-1877; (970) 491-5269; GraybillConference@stat.colostate.edu.

23–27—18th International Workshop on Matrices and Statistics, IWMS '09, Smolenice Castle, Slovakia

This workshop will stimulate the exchange of ideas and research at the interfaces of matrix theory, statistics, and stochastic processes. It includes invited and contributed talks and posters. For further information, visit www.um.sav.sk/en/iwms2009.html or contact Viktor Witkovsky, Institute of Measurement Science, Slovak Academy of Sciences, Dubravska cesta 9, Bratislava, International 84104, Slovakia; +421 2 591045 30; witkovsky@savba.sk.

25–27—United States Conference on Teaching Statistics '09, Columbus, Ohio

The target audience for this conference is teachers of undergraduate and AP statistics. Teachers of statistics at two-year colleges and those planning a career in statistics education are especially encouraged to attend. USCOTS is a 'working conference,' with many opportunities for hands-on activities, demonstrations, networking, and idea sharing. Leaders in statistics education and assessment will give plenary talks, including Dani Ben-Zvi, George Cobb, Peter Ewell, Ronald Wasserstein, and Chris Wild. For more information, visit www.causeweb.org/uscots or contact Deb Rumsey at rumsey@stat.ohio-state.edu.

28–7/1—IMS Asia Pacific Rim Meetings, Seoul, South Korea

This new meeting series will provide an excellent forum for scientific communication and collaboration among researchers in Asia and the Pacific Rim. It also will promote communication and collaboration between researchers in this area and those from other parts

of the world. The program covers topics in statistics and probability, presenting recent developments and the state of the art in a variety of modern research topics and applications. For more information, visit <http://ims-aprm.org> or contact Runze Li, Department of Statistics, Penn State University, University Park, PA 16802-2111; (814) 965-1555; ril4@stat.psu.edu.

July

1—6th EudraVigilance Information Day, London, United Kingdom

EudraVigilance Information Day will provide a forum for marketing authorization holders and sponsors of clinical trials to gain a better understanding of the key activities of the EudraVigilance Expert Working Group and their work 2009 program (see <http://eudravigilance.emea.europa.eu>). The main areas to be addressed are implementation aspects related to electronic reporting of ICSRs, key pharmacovigilance activities in some of the EU member states, and practical implementation questions raised by stakeholders. For more information, visit www.diahome.org/DIAHOME/Education/FindEducationalOffering.aspx?productID=18483&eventType=Meeting or contact Senior Manager Marketing, Europe, DIA, Postfach, Basel, International 4002, Switzerland; +41 61 225 51 51; talana.bertschi@diaeurope.org.

1–3—International Conference of Computational Statistics and Data Engineering 2009, London, United Kingdom

Held under the World Congress on Engineering and organized by the International Association of Engineers, this meeting serves as a good platform for the research community to meet and exchange ideas. For more information, visit www.iaeng.org/WCE2009/ICCSDE2009.html or contact William Young at wce@iaeng.org.

7–9—LASR 2009: Statistical Tools for Challenges in Bioinformatics, Leeds, United Kingdom

The 2009 Leeds Annual Statistical Research Workshop will focus on developments in interdisciplinary statistics and the interface between statistical methodology

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and bioinformatics. For more information, visit www.maths.leeds.ac.uk/lasr2009 or contact Arief Gusnanto, Department of Statistics, Woodhouse Lane, Leeds, International LS2 9JT, United Kingdom; +44 113 3435135; workshop@maths.leeds.ac.uk.

7–17—SAMSI Summer '09 Program on Psychometrics, Research Triangle Park, North Carolina

Much of current psychometric research involves the development of novel statistical methodology to model educational and psychological processes, and a wide variety of new psychometric models have appeared over the last quarter century. The development of several of these models has been spearheaded by quantitative psychologists. During the same period, similar models and methodologies were developed by academic statisticians in mathematics and statistics departments. The goal of this program is to bring researchers from both areas together to explore possible avenues for mutual collaboration. For more information, visit www.samsi.info/programs/2009psychometricsprogram.shtml or contact Terri Nida, 19 T.W. Alexander Drive, RTP, NC 27709; (919) 685-9350; info@samsi.info.

13–14—ARS'09 Social Network Analysis: Models and Methods for Relational Data, Salerno, Italy

The aim of this workshop is to present the most relevant results and recent developments in social network analysis. Conference topics include block modeling, collaboration networks, dynamic networks, large networks, network applications, and new methodologies for relational data. For more information, visit www.ars2009.unisa.it or contact Maria Prosperina Vitale, Via Ponte Don Melillo, Fisciano (Salerno), International 84084, Italy; +39089962211; mvitale@unisa.it.

13–15—International Conference on the Interface Between Statistics and Engineering, Beijing, China

This conference will focus on innovative research on the interface between statistics and engineering for the support of complex system design and operation, quality and reliability engineering, and optimal

decisionmaking. Authors are invited to submit abstracts. For more information, visit <http://licise.bjut.edu.cn/index.htm> or contact Kwok Tsui, Industrial and Systems Engineering, 765 Ferst Drive, Atlanta, GA 30332; (404) 894-2311; ktsui@isye.gatech.edu.

>>15–16—Seminar on Innovative Approaches to Turn Statistics into Knowledge, Washington, DC

The OECD and U.S. Census Bureau are jointly organizing this seminar to contribute to the development of tools that help people transform statistics into knowledge and decisions. The seminar will include the use of videos, as explored by GapMinder and others, and participative approaches, as seen in some web 2.0 initiatives. The focus of the seminar will be on innovative applications of tools. For more information, visit www.oecd.org/progress/ict/statknowledge or contact Lars Thygesen, +33145248402; lars.thygesen@oecd.org.

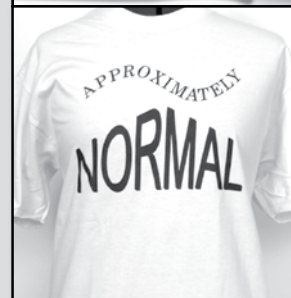
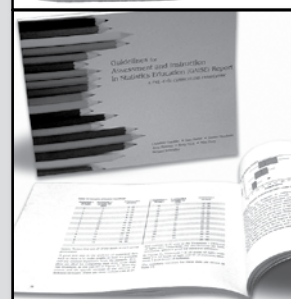
20–22—International Symposium in Statistics on GLLMM, St. John's, Newfoundland

The objective of this symposium is to bring together a set of speakers and discussants to describe the latest research in GLLMM with applications to biostatistics, econometrics, and ecological and environmental studies, among others. For more information, visit www.iss-2009-stjohns.ca or contact Brajendra Sutradhar, Department of Mathematics and Statistics, St. John's, Newfoundland A1C 5S7, Canada; 7097378731; bsutradh@math.mun.ca.

20–28—IMSM 2009, Raleigh, North Carolina

The objective of this workshop is to expose graduate students in mathematics, engineering, and statistics to challenging and exciting real-world problems arising in industrial and government laboratory research. Students will get experience in the team approach to problemsolving. They will be divided into six-member teams to collaborate on industrial projects presented by experienced scientists and engineers. During the workshop, each group is mentored by both the

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problem presenter and a faculty adviser. For more information, visit www.ncsu.edu/crsc/events/imsm09 or contact Ilse Ipsen, Dept. of Mathematics, NCSU, Raleigh, NC 27695; (919) 515-5289; imsm_09@ncsu.edu.

August

*1–6—2009 Joint Statistical Meetings, Washington, DC

JSM (Joint Statistical Meetings) is the largest gathering of statisticians held in North America. It is held jointly with the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics, the Statistical Society of Canada, the International Indian Statistical Association, and the International Chinese Statistical Association. Attended by more than 5,500 people, activities include oral presentations, panel sessions, poster presentations, continuing education courses, an exhibit

hall, a placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. For more information, visit www.amstat.org/meetings or contact ASA Meetings Department, 732 North Washington Street, Alexandria, VA 22314; (888) 231-3473; jsm@amstat.org.

6–8—15th ISSAT International Conference on Reliability and Quality in Design, San Francisco, California

This conference is an international forum for the presentation of new results, research development, and applications in all aspects of reliability, quality in design, and statistics. The conference is typically attended by international participants and is characterized by an intimate culture. For more information, visit www.issatconferences.org or contact ISSAT RQD Conference, P.O. Box 1504, Piscataway, CA 08855; rqd@issatconferences.org.

10–12—It's Online, Therefore It Exists! A Workshop on Technology-Enhanced Probability and Statistics Education Using SOCR Resources, Los Angeles, California

The 2009 SOCR aims to demonstrate the functionality, use, and assessment of current SOCR resources in probability and statistics curricula at different levels. The SOCR tools, activities, and materials are openly and anonymously available over the Internet to the entire community. This workshop will be of most value to AP teachers and college instructors of probability and statistics classes who have an interest in exploring novel technology-enhanced approaches for improving statistics education. For more information, visit http://wiki.stat.ucla.edu/socr/index.php/SOCR_Events_Aug2009 or contact Ivo Dinov, 8125 Math Sciences Bldg., Los Angeles, CA 90095; (310) 825-8430; dinov@stat.ucla.edu.



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16–22—International Statistical Institute 57th Biennial Session, Durban, South Africa

This session will include meetings of the Bernoulli Society, the International Association for Statistical Computing, the International Association of Survey Statisticians, the International Association for Official Statistics, and the International Association for Statistical Education. For more information, visit www.cbs.nl/isi or contact Shabani Mehta, 428 Prinses Beatrixlaan, P.O. Box 950, Voorburg, International 2270 AZ, The Netherlands; +31-70-3375737; isi@cbs.nl.

»17–19—Measurement, Design, and Analysis Methods for Health Outcomes Research, Boston, Massachusetts

Taught in an interactive classroom setting, this program is geared toward introductory to intermediate learning levels to help participants design, implement, and analyze outcomes studies and critically review and use outcomes data for clinical decisionmaking, health-care planning, and technology development. For more information, visit www.hsph.harvard.edu/ccpel/programs/MDA.html or contact Continuing Education, 677 Huntington Ave., Boston, MA 02115; (617) 384-8692; contedu@hsph.harvard.edu.

September

»9–11—CLADAG 2009, Catania, Italy

The Classification and Data Analysis Group of the Italian Statistical Society promotes advanced methodological research in multivariate statistics with a special interest in data analysis and classification. CLADAG supports the exchange of ideas in these fields, including the dissemination of concepts, numerical methods, algorithms, and computational and applied results. For more information, visit cladag2009.unict.it or contact Salvatore Ingrassia, Facoltà di Economia, Corso Italia 55, Catania, International 95129, Italy; s.ingrassia@unict.it.

14–16—S.Co. 2009, Milan, Italy

The aim of the S.Co. conference is to provide a forum for the discussion of new developments and applications of statistical

models and computational methods for complex and high-dimensional data. The conference will consist of invited lectures, organized and contributed sessions, and poster presentations. For more information, visit max.polimi.it/sco2009 or contact Eventi Mate, Piazza Leonardo Da Vinci, 32, Milano, International 20133, Italy; eventimate@mate.polimi.it.

21–22—6th International Meeting on Statistical Methods in Biopharmacy, Paris, France

This meeting will focus on innovative statistical approaches to design and analysis of clinical trials, specifically missing data, flexible designs, multiplicity, and meta-analysis. Contributed papers are welcome if they are relevant to these areas; contributed posters are welcome if they describe unrelated, but innovative, research on the design and analysis of clinical trials. For more information, visit www.biopharma2009-sfids.fr or contact Claude Petit, 900 Ridgebury Road, Ridgefield, CT 06877; (203) 798-4303; claud.petit@boehringer-ingelheim.com.

October

*8–9—53rd Annual Fall Technical Conference, Indianapolis, Indiana

Cosponsored by the Physical and Engineering Sciences and Quality and Productivity Sections of ASA, as well as the Chemical and Process Industry and Statistics Divisions of ASQ, this conference will be held at the Hilton Indianapolis. For more information, visit www.amstat-online.org/sections/qp/2009-ftc-call-for-papers.pdf or contact Donald McCormack, 2901 Oakhaven Drive, Austin, TX 78704; don.mccomack@jmp.com.

20–22—International Conference on Modeling, Simulation, and Control 2009, San Francisco, California

This conference is held under the World Congress on Engineering and Computer Science WCECS 2009, organized by the International Association of Engineers, a nonprofit international association for engineers and computer scientists. All submitted papers will be under peer

review, and accepted papers will be published in the conference proceedings. For more information, visit www.iaeng.org/WCECS2009/ICMSC2009.html or contact IAENG Secretariat, Unit 1, 1/F, 37-39 Hung To Road, Hong Kong, International HK, Hong Kong; (852) 3169-3427; wcecs@iaeng.org.

21–23—2009 Nonclinical Biostatistics Conference, Boston, Massachusetts

The first conference in the United States to be completely devoted to nonclinical biostatistics will provide opportunities to present and discuss current scientific issues relevant to nonclinical biostatistics. Registration and a call for abstracts opened February 2, 2009. For more information, visit www.ncb2009.org or contact Mathis Thoma, 655 Huntington Ave., Boston, MA 02115; info@ncb2009.org.

27–30—25th International Methodology Symposium, Gatineau, Québec

This anniversary symposium, titled “Longitudinal Surveys: From Design to Analysis,” is for researchers with private research organizations, governments, and universities who are interested in statistical or methodological issues specific to longitudinal surveys. The first day will consist of workshops, while the following days will consist of plenary and parallel sessions covering a variety of topics. Additional research and results will be presented via poster sessions. For more information, visit www.statcan.ca/english/conferences/symposium2009 or contact Caroline Rondeau, 150 Tunney's Pasture Driveway, R.H. Coats Building, Ottawa, Québec K1A 0T6, Canada; caroline.rondeau@statcan.ca.

November

9–13—Sixteenth Annual Biopharmaceutical Applied Statistics Symposium, Savannah, Georgia

This symposium provides a forum for pharmaceutical, medical, and regulatory science professionals to share timely and pertinent information concerning the application of biostatistics in biopharmaceutical environments. For details,

visit <http://bass.georgiasouthern.edu> or contact Ruth Whitworth, P.O. Box 8015, Statesboro, GA 30460-8015; (912) 478-7904; bass@georgiasouthern.edu.

>>11–14—American Evaluation Association (AEA) Annual Conference, Orlando, Florida

This year's conference, themed "Context and Evaluation," is broken down into 41 topical strands that include more than 500 presentations. Content will span the breadth and depth of evaluation, from exploring traditional and emerging methodologies to addressing issues related to working internationally and cross-culturally to delving into applications of evaluation to a range of disciplines. For more information, visit www.eval.org/eval2009 or contact Membership Director Heidi Nye at info@eval.org or (888) 232-2275.

December

>>*6–11—65th Annual Deming Conference on Applied Statistics, Atlantic City, New Jersey

The purpose of this conference and the following two-day short courses is to discuss recent developments in statistical methodologies. The conference is composed of 12 three-hour tutorials on current statistical topics of interest. Recognized experts in the field will give the lectures and short courses based on their recently published books. For more information, visit www.demingconference.com or contact Walter Young, 16 Harrow Circle, Wayne, PA 19087; (610)989-1622; demingchair@gmail.com.

2010

January

***4–8—International Indian Statistical Association Joint Statistical Meetings and International Conference on Statistics, Probability, and Related Areas, Visakhapatnam, India**

The Joint Statistical Meetings, organized by the International Indian Statistical Association in partnership with the American Statistical Association and statistical associations in India, will be held at Andhra University. For more information, visit www.stat.osu.edu/~hmn/IISA.html or contact Naranyanswamy Balakrishnan, Department of Mathematics and Statistics, McMaster University, Hamilton, Ontario L8S 4K1, Canada; (905) 525-9140, Ext. 23420; bala@mcmaster.ca.

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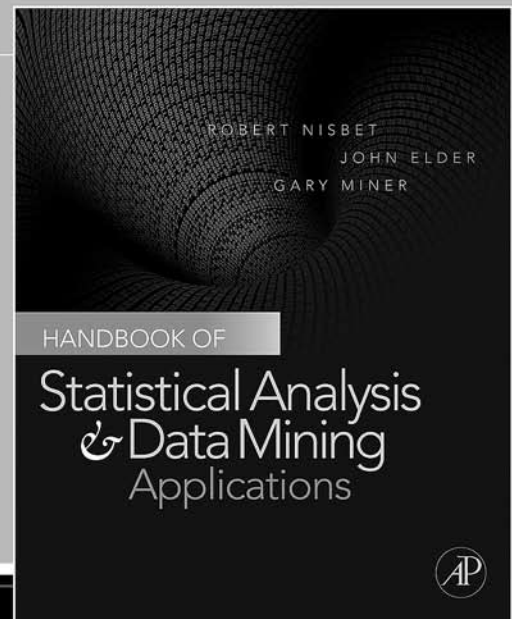
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March

»17–20—Conference on Frontier of Statistical Decisionmaking and Bayesian Analysis.

This conference consists of plenary, invited, and poster sessions. Plenary speakers include Donald Berry, Lawrence Brown, Persi Diaconis, Stephen Fienberg, and Alan Gelfand. The conference will provide an overview of the past, present, and future developments of statistical decisionmaking and Bayesian analysis. Prior to the conference, short courses on various statistical topics will be offered. For more information, visit <http://bergerconference2010.utsa.edu> or contact Keying Ye at Keying.Ye@utsa.edu.

May

19–22—Conference on Nonparametric Statistics and Statistical Learning, Columbus, Ohio

This conference will bring together researchers in nonparametrics and statistical learning from academia, industry, and government in an atmosphere focused on the development of both statistical theory and methods. The areas are broadly defined, with nonparametrics encompassing distribution-free statistics, rank-based and robust statistics, Bayesian nonparametric methods, permutation-based methods, nonparametric regression, and density estimation. Statistical learning includes a range of methods focused on the general goals of discovery, classification, and prediction. For more information, visit www.stat.osu.edu/~nssl2010 or contact Steven MacEachern, Department of Statistics, The Ohio State University, 1958 Neil Ave., Cockins Hall, Rm. 404, Columbus, OH 43210-1247; (614) 292-5843; snm@stat.osu.edu.

23–26—38th Annual Meeting of the Statistical Society of Canada, Québec City, Québec

This conference will bring together academic, government, and industrial researchers as well as users of statistics and probability. Featured will be workshops and invited and contributed sessions on all areas of statistics and probability. About 450 statisticians are expected to participate. For details, contact Thierry

Duchesne, Université Laval, Département de mathématiques et de statistique, Pavillon Vachon, Québec, Québec G1K 7P4, Canada; (418) 656-2131, Ext. 5077; thierry.duchesne@mat.ulaval.ca.

25–27—Joint Research Conference on Statistics in Quality, Industry, and Technology, Gaithersburg, Maryland

The Quality and Productivity Research Conference and the Spring Research Conference on Statistics in Industry and Technology will be held jointly at the National Institute of Standards and Technology (NIST). The goal of the conference is to stimulate interdisciplinary research among statisticians, engineers, and physical scientists in quality and productivity, industrial needs, and the physical sciences. For more information, contact Will Guthrie, 100 Bureau Drive, Stop 8980, Gaithersburg, MD 20899-8980; (301) 975-2854; will.guthrie@nist.gov.

June

29–7/1—International Conference on Probability Distributions and Related Topics in Conjunction with NZSA Conference, Palmerston North, New Zealand

This international conference is devoted to all aspects of distribution theory and its applications, including discrete, univariate, and multivariate continuous distributions; copulas; extreme values; skewed distributions; conditionally specified distributions; and life distributions in engineering and survival analysis. For more information, visit http://nzsa_cdl_2010.massey.ac.nz or contact Narayanaswamy Balakrishnan, Department of Mathematics and Statistics, Hamilton, International L8S 4K1, Canada; (905) 525-9140, Ext. 23420; bala@mcmaster.ca.

July

27–31—LinStat 2010, Tomar, Portugal

The aim of this conference is to bring together researchers sharing an interest in a variety of aspects of statistics and its applications to discuss current developments. There will be plenary talks and sessions with contributed talks, as well as a special

session with talks by graduate students. For more information, visit www.linstat2010.ipt.pt or contact Francisco Carvalho, Estrada da Serra - Quinta do Contador, Tomar, International 2300-313, Portugal; +351249328100; fpcarvalho@ipt.pt.

*31–8/5—2010 Joint Statistical Meetings, Vancouver, British Columbia, Canada

JSM (Joint Statistical Meetings) is the largest gathering of statisticians held in North America. It is held jointly with the American Statistical Association, the International Biometric Society (ENAR and WNAR), the Institute of Mathematical Statistics, the Statistical Society of Canada, the International Indian Statistical Association, and the International Chinese Statistical Association. Attended by more than 5,500 people, activities include oral presentations, panel sessions, poster presentations, continuing education courses, an exhibit hall, a placement service, society and section business meetings, committee meetings, social activities, and networking opportunities. For more information, visit www.amstat.org/meetings or contact ASA Meetings Department, 732 North Washington Street, Alexandria, VA 22314; (888) 231-3473; jsm@amstat.org.

August

30–9/3—Prague Stochastics 2010, Prague, Czech Republic

Prague Stochastics 2010 is next in a series of international conferences on stochastics organized in Prague since 1956. The scientific program will be aimed at covering a wide range of stochastics, with special emphasis on the topics of this lively field that have been pursued in Prague. For more information, visit www.utia.cas.cz/pragstoch2010 or contact Lucie Fajfrova, Pod Vodarenskou vezi 4, Prague 8, International 18208, Czech Republic; pragstoch@utia.cas.cz. ■

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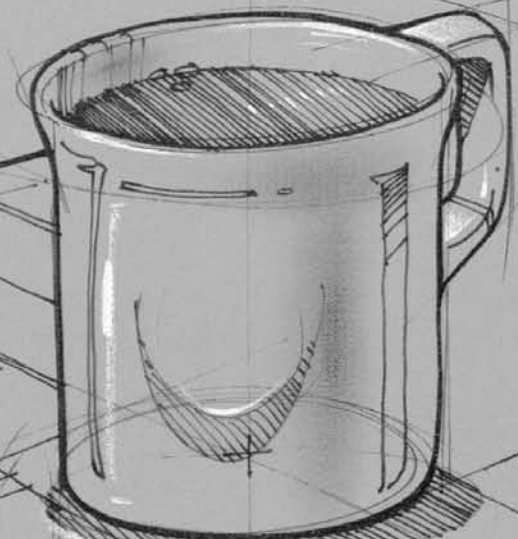
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The CCCT is currently directed by Dr. Barry R. Davis. The position offers extensive opportunities for research leadership and collaboration within UTSPH, the Coordinating Center for Clinical Trials and the University of Texas Health Science Center. We are seeking an outstanding candidate with experience in clinical trials and coordinating centers. The individual will collaborate with other scientists to develop ideas for funding research as well as contribute to statistical and clinical trials methodology. In addition, he/she will teach graduate level biostatistics courses, advise graduate students, and participate in professional service. Additional information is available at <http://www.sph.uth.tmc.edu/ccct>.

Qualifications include: (1) earned doctorate in biostatistics or related field; (2) commitment to excellence in teaching and advising graduate students; (3) evidence of both methodological and collaborative research accomplishments in clinical trials; (4) evidence of national/international recognition in biostatistics and clinical trials; and (5) excellence in written and oral communication skills.

The University of Texas School of Public Health is located within the Texas Medical Center (<http://www.texmedctr.tmc.edu>). There are 46 institutions that make up the Texas Medical Center. Opportunities for research and collaboration are outstanding. Houston is the fourth largest city in the United States and boasts a strong economy with a cost of living approximately 12% below the national average (<http://www.houstontx.gov/>).

Review of applications will begin immediately and continue until the position is filled. Academic rank will be determined by the qualifications of the candidate. Candidates should e-mail a letter describing their qualifications and interests along with their curriculum vitae, and contact information for three professional references to: Barry R. Davis, M.D., Ph.D., Chair, Biostatistics Search Committee, The University of Texas Health Science Center at Houston, School of Public Health, 1200 Herman Pressler, E-809, Houston, Texas 77030, FAX: 713-500-9530, email: Barry.R.Davis@uth.tmc.edu

The University of Texas Health Science Center at Houston is an EO/AA employer. M/F/D/V. Minorities and women are strongly encouraged to apply. This is a security sensitive position and thereby subject to Texas Education Code §51.215. A background check will be required for the final candidate.



THE UNIVERSITY of TEXAS
SCHOOL OF PUBLIC HEALTH AT HOUSTON
A part of The University of Texas Health Science Center at Houston

California

■ Accepting applications for full-time lecturer for the 2009–2010 academic year (with possibility of renewal for second year) in the Statistics Department at Cal Poly, San Luis Obispo, CA. For details, qualifications, and application instructions (online faculty application required), please visit www.calpolyjobs.org, and search/apply to requisition #101856. Job close date is May, 8, 2009. Cal Poly is strongly committed to achieving excellence through cultural diversity. The university actively encourages applications and nominations of all qualified individuals. EEO.

Illinois

■ Two, non-tenure track full/associate/assistant professor positions in the Biostatistical Collaboration Center requires a doctoral degree in biostatistics/statistics for collaboration, consulta-

tion, teaching and research in biomedical field. Excellent communication skills are essential. At least one-year post-doctoral experience. To apply, send CV and references to: Thongsy Singvongsa, Department of Preventive Medicine, NU Feinberg School of Medicine, 680 N. Lake Shore Suite 1102, Chicago, IL 60611. Northwestern University is an Affirmative action/equal opportunity employer.

Maryland

■ Seeking PhD/experienced master's statisticians for Center for Devices and Radiological Health, FDA, HHS. Grapple with rich array of statistical issues in clinical trials for new technologies, from LASIK and artificial hearts to genetic tests and robotic surgery. Review statistical designs/analyses issues in medical devices from invention to postmarket. Send CV to Greg Campbell, 1350

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To apply, go to <www.census.gov> and click on Jobs@Census.

Follow the "Employment Opportunity" link to 'Mathematical Statistician.' The instructions are there.

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Massachusetts

■ Research scientists, biostatistics.

Collaborate in cancer clinical trials with an emphasis on laboratory correlative science, the analysis and reporting of international breast cancer studies, and studies in pain and symptom management. Required: PhD in biostatistics/statistics, 1–2 years' experience, exceptional skills in data analysis and SAS/S/R, and excellent written and oral communication skills. Email CV and names of three references to: Research Scientist Job Search, biostatistics.job-search@jimmy.harvard.edu EOE.

■ MS biostatistician. Collaborate with medical and scientific researchers in design, analysis, and publication of cancer clinical trials and related research. Requirements: strong background in statistical principles, data analysis, computing (especially SAS and R), communication skills, and 1–2 years of experience. Send CV, names of three references to: MS biostatistician Job Search, Biostatistics & Computational Biology, Dana-Farber Cancer Institute, 44 Binney Street, Boston, MA 02115; biostatistics.job-search@jimmy.harvard.edu Dana-Farber Cancer Institute is an AA/EOE.

Ohio

■ Associate professor, non-tenure track, Department of Neurology, Case Western Reserve University. Proven ability to develop innovative measurement and statistical methods to improve translational and outcomes research in neurology, e.g., assessing disease severity, patient/family QoL, and diagnostic and prognostic accuracy. Teach biostatistics, psychometrics. By 5/30/09, send CV and letter summarizing fit to position (preferably

THE JOHNS HOPKINS UNIVERSITY

Oncology Biostatistics
Sidney Kimmel Comprehensive Cancer Center

BIostatisticians
Staff (MS) and Faculty (PhD) Level Positions

The Biostatistics Division of the Sidney Kimmel Comprehensive Cancer Center at Johns Hopkins, founded in 1988, is a leader in the statistical applications in cancer research. We conduct methodologic research in Biostatistics and Bioinformatics to advance cancer research, provide biostatistics and bioinformatics support to medical investigators in cancer and other conditions, and teach research methodology in a wide variety of academic programs in the Johns Hopkins Schools of Public Health and Medicine. The division currently has 7 doctoral level faculty and 5 masters level biostatisticians/bioinformaticians. We are recruiting 2 M.S. staff and 1 Ph.D. level faculty with interests in both methodologic and collaborative biomedical research. These new faculty and staff positions will expand a highly successful group of quantitative scientists working collaboratively with both clinical and basic science faculty in the Johns Hopkins School of Medicine. The Division has strong research and teaching connections with the Departments of Biostatistics and Epidemiology in the Bloomberg School of Public Health with an opportunity for joint appointments. Please visit our website: www.cancerbiostats.onc.jhmi.edu

Staff Biostatistician: These positions require a Master's degree in biostatistics, computer science or statistics and practical experience in biomedical study design and analysis. Strong written and oral communication skills are necessary, and experience with a range of statistical software is required.

Tenure Track Faculty: Suitable candidates will hold a Ph.D. in statistics, biostatistics, epidemiology or related quantitative fields, with interest and experience in clinical trials, diagnostic/screening studies, and translational research, primarily in cancer. We welcome applications from candidates at any academic rank. At this time we are not recruiting for individuals whose primary interest and experience is in Bioinformatics.

Application Procedure: Applicants should send a Curriculum Vitae (including personal website URL if available), letter of application and two or more letters of reference to:

Steven Goodman, MD, PhD
Director, Search Committee
Division of Biostatistics
550 North Broadway, Suite 1103
Baltimore, MD, 21205-2013

Applications will be considered until the positions are filled. E-mail applications and inquiries on the status of an application can be directed to Helen Cromwell, Administrative Manager, cromwhe@jhmi.edu.

The Johns Hopkins University is an Equal Opportunity/Affirmative Action employer. We strongly encourage qualified women and under-represented minorities to apply.

Chair, Dept. of Biostatistics and Medical Informatics

The University of Wisconsin-Madison School of Medicine and Public Health invites applications and nominations for Chair of the Department of Biostatistics and Medical Informatics. The department is highly rated among programs nationally, with strong research, educational and service programs. Current faculty includes 18 in the tenure track, 8 who are non-tenure track, and 14 affiliates. In cooperation with the Departments of Statistics and Computer Sciences, the Department features academic programs in biostatistics, clinical trials, and biomedical informatics, including computational biology. As the school transitions to a School of Medicine and Public Health, and with the recent creation of the UW Institute for Clinical and Translational Research, the department is poised to achieve even greater prominence and impact at all levels and on all fronts.

We seek a dynamic leader with an outstanding academic background, strong research credentials, demonstrated commitment to education, experience in mentoring junior faculty, and proven management skills. Necessary qualifications include a Ph.D. in biostatistics, bioinformatics, computer science, or a related field, and accomplishments as a scholar and teacher that meet the standards for a tenured faculty appointment at the University of Wisconsin-Madison.

Please apply by May 15, 2009 to ensure full consideration. To apply, send a letter of application, curriculum vitae with a description of research focus, and names and addresses of three references to:

George Wilding, MD, and James Zagzebski, PhD, Co-Chairs, BMI Chair Search Committee, c/o Jamie Edge, UW School of Medicine and Public Health, Room 4150 HSLC, 750 Highland Avenue, Madison, WI 53705. Phone 608-262-8401. E-mailed applications are welcome; send to: jlodge@wisc.edu.

Unless confidentiality is requested in writing, information regarding applicants must be released upon request. Finalists cannot be guaranteed confidentiality. The University of Wisconsin is an equal opportunity, affirmative-action employer. The School of Medicine and Public Health particularly encourages applications and nominations of women and members of under-represented groups. A background check is required prior to offer of employment.

To learn more about the UW-Madison Department of Biostatistics and Medical Informatics, please visit our web site: <http://www.biostat.wisc.edu/>



UNIVERSITY OF
WISCONSIN-MADISON
SCHOOL OF MEDICINE
AND PUBLIC HEALTH

Assistant Professor of Biostatistics Division of Biostatistics, Department of Preventive Medicine Keck School of Medicine, University of Southern California

The Division of Biostatistics at the Department of Preventive Medicine of the University of Southern California invites applications for a faculty position at the Assistant Professor level in environmental biostatistics. A suitable candidate is required to hold a PhD in biostatistics, or a related field; additional post-doctoral training would be an asset but is not essential. Candidates should have a demonstrated track record of methodological and applied interdisciplinary research, and interest in working on a wide array of methodological and substantive problems in environmental biostatistics and epidemiology.

A major focus of the Division's methodological and applied research in the environmental epidemiology arena has been the Southern California Children's Health Study (CHS), a cohort study of the health effects of air pollution on children's respiratory growth and disease. Over 12,000 children from 15 communities with a diverse pattern of exposure to different pollutants are being followed, some for up to 17 years, with extensive characterization of exposures at the individual and community level, outcomes, and modifying factors, including candidate genes and genome-wide SNPs. This is the most important long-term study of effects in childhood and has had significant impact on air pollution policy. The successful applicant will have the opportunity to work on these data along with a well established group of biostatisticians working on such methodological issues as multi-level models for multivariate longitudinal data, spatio-temporal exposure models, and methods for genetic effects and gene-environment interactions. The successful applicant will also have the opportunity to interact with a large network of environmental epidemiologists, cancer researchers, and exposure assessment experts on a variety of other challenges under the umbrella of the NIEHS-funded Southern California Environmental Health Sciences Center. Independent statistical research and teaching in the Department's graduate programs in Biostatistics and Epidemiology is also encouraged.

Potential candidates are encouraged to submit their applications (along with current CV, statement of research interests, and three or more letters of recommendation) to: Biostatistics Faculty Search Committee, Attn: Duncan Thomas, PhD, Division of Biostatistics, Department of Preventive Medicine, Keck School of Medicine, University of Southern California, 1540 Alcazar St., CHP-220, Los Angeles, CA, 90089-9011, or via e-mail to dthomas@usc.edu.

USC values diversity and is committed to equal opportunity in employment.
Women and men, and members of all racial and ethnic groups are encouraged to apply.

PDF) to Ralph O'Brien, PhD, *c/o melissa.giglio@case.edu*. In employment, as in education, CWRU is committed to Equal Opportunity and Diversity. Hiring is contingent upon eligibility to work in the United States. Women and minorities are encouraged to apply.

Oregon

■ Kaiser Permanente Center for Health Research seeks an applied statistician to join our highly collaborative team of health researchers. The position involves statistical consulting, collaboration on proposals for external research funding, planning and direction of statistical analyses, manuscript writing, presentations at national meetings, and possible analytic staff supervision. A doctoral degree in a statistical science is required. To apply, email CV to *allison.naleway@kpchr.org* EOE.



Doctoral and Masters Openings



Center for Biostatistics in AIDS Research (CBAR) Harvard School of Public Health, Boston

The Department of Biostatistics at HSPH has immediate openings in CBAR for two PhD-level Research Associate/Research Scientists and for a MS/MA Research Analyst who will join over 120 statisticians, epidemiologists and research staff collaborating in multi-center clinical trials, observational studies, and related research in HIV and other infections conducted in the US and internationally. The level within the Doctoral and MS tracks will be based on the applicant's qualifications. Prior experience in clinical trials is encouraged for Research Associate, and two or more years are required for Research Scientist. Ph.D. applicants should demonstrate the ability to conduct collaborative and methodological research and should possess strong quantitative skills to take a leadership role in CBAR. We are recruiting:

PhD Biostatistician to work in the Adult AIDS Clinical Trials Group (ACTG) in design, monitoring and analyses of Phase II-IV trials to optimize HIV treatment, and to conduct applied and methodological research in related clinical, laboratory, viral sequence, and observational data. (Requisition number 35824)

PhD Biostatistician to work in the International Maternal Pediatric Adolescent AIDS Clinical Trials Group (IMPACT) on design, monitoring, and analyses of a multi-national, multi-faceted clinical program (PROMISE) of randomized trials in prevention of mother-to-child HIV transmission, pre- and post-natal HIV management for the mother, and improvement of infant survival. (Requisition number 35823)

MS biostatistician with strong quantitative and programming skills to work on Phase I to IV clinical trials. Knowledge of medical or biological research, genetic analysis and/or Splus/R a plus. (Requisition number 36198)

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Or

www.employment.harvard.edu/careers/

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The Geisinger Center for Health Research (located in Danville, PA) seeks investigators with an interest in comparative effectiveness research and methods or predictive modeling and the rapid translation of findings to practice. The Center offers unparalleled opportunities and resources for investigator initiated and collaborative research among biostatisticians, epidemiologists, and health services investigators. With strong ties to Geisinger clinical practices and the Geisinger Health Plan, Center investigators are able to develop, test, and more easily translate research into effective, real-world solutions.

Geisinger provides care to more than 2 million residents of Central and Northeastern Pennsylvania. The Geisinger Clinic encompasses a large primary care and multi-specialty practice, with 40 community practice clinics located across a wide geographic area. The healthcare system has used an electronic health record since 1996 and has recently developed a comprehensive data warehouse that integrates clinical, lab, claims, billing, and other data. Geisinger offers one of the largest, most complete, and highest quality longitudinal EHR systems in the country.

Using its unique resources, Geisinger has made a substantial commitment to comparative effectiveness, predictive modeling, and translational research. Successful candidates will have an opportunity to accelerate advances in these areas through the development and rapid application of novel methods. A Ph.D. in biostatistics or other related disciplines is required. Applicants with expertise in causal modeling, machine learning and/or experience working with complex data are especially encouraged to apply. Rank of appointment will be commensurate with experience but new PhDs and recent postdoctoral fellows are encouraged to apply.

If you are interested in performing research that makes a difference, we invite you to contact us today:

Jason Roy, PhD, Research Investigator; c/o Jerry Foley, Staff Recruiter
100 North Academy Avenue, Danville, PA 17821-3003 • gjfoley@geisinger.edu • Phone: 570.214.5529

WWW.GEISINGER.ORG/RESEARCH

Opening for MS Biostatistician at the University of Utah

Job Duties:

The Division of Epidemiology at the University of Utah has an opening for a collaborating Biostatistician to be part of a productive clinical and health outcomes research team. The successful candidate will be skilled at data analysis and interpretation, able to manage multiple projects simultaneously, interested in learning new statistical methodology and performing sophisticated analyses, and proficient in statistical programming (e.g., Stata, SAS, R). The ideal applicant will have an excellent understanding of the research process and integrate well with a multi-disciplinary team including epidemiologists, biostatisticians, and other health science researchers. He/she will be expected to work as part of the team dedicated to research within the Division of Epidemiology and may also collaborate with researchers throughout the School of Medicine. Both full time (40 hrs/week) and part time (20 hrs/week) positions may be available.

Minimum Qualifications:

A master's degree in statistics or related field is required. Excellent verbal and written communication skills are essential.

Preferences:

Prior statistical consulting experience desired. We offer competitive salaries, attractive career ladders, funding to attend professional meetings and obtain special training, and a comprehensive and flexible employee benefits package.

Contact Information:

Qualified applicants should email or mail a resume, letter of interest, and names of references in confidence to:

Dr. Molly Leecaster
Division of Epidemiology
Department of Internal Medicine
University of Utah School of Medicine
295 Chipeta Way
Salt Lake City, UT 84132
Molly.Leecaster@hsc.utah.edu

Pennsylvania

Merck & Co. Inc., established in 1891, is a global research-driven pharmaceutical company dedicated to putting patients first. In this role, the incumbent will lead statistical efforts in support of all phases of clinical research in cognitive disorders, w/particular focus on experimental design and endpoint development for clinical trials. Required: MS/PhD and a minimum of 5 years late development experience. merckcareers.jobs/0492 - req # STA000492. Merck is an equal opportunity employer, M/F/D/V - proudly embracing diversity in all of its manifestations. ■

Director of the Division of Biostatistics and Epidemiology

Cincinnati Children's Hospital Medical Center

The Division of Biostatistics and Epidemiology, a research division of Cincinnati Children's Hospital Medical Center (CCHMC), seeks a scholarly, enthusiastic, and visionary director. CCHMC is one of the top-ranked children's hospitals in the world and its vision is to be the leader in improving child health. A few of the Research Foundation's recent accomplishments include:

- Ranked second of all pediatric centers in NIH funding (\$92 million in 2007; Over \$123 million in total grant revenues)
- Ranked third-best pediatric program at a medical school (*U.S. News & World Report*)
- New research tower opened in 2007, increasing research space to nearly 1 million square feet and making Cincinnati Children's one of the largest pediatric research programs in the country
- Investment in research by CCHMC of over \$60 million above total grant revenues, including a number of internal grant programs
- Research programs integrated across a full range: basic/discovery, translational, clinical trials, health services, quality improvement/clinical effectiveness, community research

The Division of Biostatistics and Epidemiology currently includes 43 faculty and staff, conducts independent research, and collaborates on more than 75 grants worth an estimated \$75 million. The division also provides collaborative support to 36 divisions of CCHMC and is allied with graduate teaching programs in biostatistics and epidemiology. The faculty and staff are located in the new, state-of-the-art research tower adjacent to the Division of Biomedical Informatics and the Clinical and Translational Research program. Faculty appointments are with the University of Cincinnati College of Medicine.

Qualified candidates must have a doctoral degree in Biostatistics, Epidemiology, or a related statistical field, and have progressed to the rank of Associate or Full Professor. The preferred candidate will have an outstanding

record of independent, collaborative, and well-funded research, publication in high-impact journals, and effective written and oral communication skills. The Director will develop a strategic vision for the division to advance the role of biostatistics and epidemiology and clinical and translational research in the academic health center while providing leadership and oversight of the divisional operations and collaborations with investigators at CCHMC from across the full range of research programs. The director will be expected to mentor junior faculty and trainees, increase the success of existing programs, and successfully develop new initiatives. **This position will be at the academic rank of Full Professor, with tenure in the Department of Pediatrics.**

For additional information regarding the position, contact the Chairperson of the Search Committee, Scott W. Powers, PhD, Professor of Pediatrics and Director of Clinical and Translational Research, Cincinnati Children's Research Foundation, 513-636-8106, Scott.Powers@cchmc.org

Interested candidates should send a letter describing their qualifications and interests, along with their curriculum vitae and contact information for three professional references, to: Scott W. Powers, PhD, c/o Teresa Nangle, Cincinnati Children's Hospital Medical Center, 3333 Burnet Ave., MLC 9008, Cincinnati, OH 45229 or email: Scott.Powers@cchmc.org or Teresa.Nangle@cchmc.org

www.cincinnatichildrens.org/research/div/ceb



Cincinnati Children's Hospital Medical Center and University of Cincinnati are Equal Opportunity Employers

The American Statistical Association (ASA) Committee on Law and Justice Statistics announces a small grant program for the analysis of Bureau of Justice Statistics (BJS) and other justice-related data. This program is designed to encourage the creative and appropriate use of these data to inform substantive and methodological issues. Awards are generally to be completed within a two-year period and are typically in the range of \$25,000 to \$40,000.

Proposals must be postmarked by April 20, 2009.

For more information, go to <http://www.amstat.org/careers/pdfs/BJSsolicitation.pdf>



Assistant Professor

Assistant Professor in Biostatistics (tenure track) – The Pennsylvania State University, College of Medicine, Division of Biostatistics in the Department of Public Health Sciences in Hershey, PA invites applications for a tenure-track position at the rank of assistant professor. The position will provide opportunities for diverse research experiences in a highly collegial environment. The successful candidate will join a growing department fostering cross-disciplinary collaborative research throughout the University, and will also have opportunities to develop an independent program of methodologic research, and teach biostatistics courses for medical and graduate students.

Applicants with experience in the analysis of high-throughput genomic and proteomic data in population-based and clinical studies are especially encouraged to apply. The Department is also particularly interested in candidates with experience in statistical methods in the social sciences and causal modeling, with applications to health services research, prevention research, and health psychology/behavioral medicine. Outstanding applicants with interests in any areas of clinical or health outcomes research will also be considered.

Public Health Sciences has 22 tenure-track faculty members in three academic divisions of Biostatistics, Epidemiology, and Health Services Research. The Department also houses the Penn State Institute for the Collective Advancement of Activity and Nutrition.

Review of applications will begin immediately and continue until the position is filled. Start-up packages are available. Qualified applicants should send a cover letter, a CV, and contact information for three references to: David T. Mauger, PhD, Professor and Chief, Division of Biostatistics, Department of Public Health Sciences, Penn State College of Medicine, 600 Centerview Drive, Mail Code A210, Hershey, PA 17033-0855, or email to dtm5@psu.edu.

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School of Physical and Mathematical Sciences

Faculty Positions

The Division of Mathematical Sciences (<http://www.spm.s.ntu.edu.sg/mas>) of the Nanyang Technological University (NTU), Singapore, is looking to add to its tenure-track faculty at all ranks. While we encourage strong candidates from all areas of **Probability and Statistics** to apply, we are particularly interested in the following areas:

- Biostatistics and Clinical trials
- Financial statistics
- Survey sampling
- Statistical modeling
- Bayesian statistics
- Statistical genetics
- Applied probability

NTU is a research university, with low teaching loads, excellent facilities, ample research funding and support for conference travel. The Division of Mathematical Sciences consists of active and talented faculty members working in a variety of areas. Its student body includes some of the best in the region. It offers undergraduate programs in mathematical sciences and mathematics & economics, and a graduate program awarding Masters and PhD degrees. Salary and benefits are competitive with the top universities around the world.

We seek people with excellent achievements in both research and teaching. Interested candidates are requested to send the following material to MASrecruit@ntu.edu.sg

- Application letter
- Curriculum Vitae
- Research Statement
- Teaching Statement
- Names of at least three referees

www.ntu.edu.sg

Research Professionals



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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 1,900 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 AN/DRM/90001

A total of 3 or more years of relevant experience in sample design and selection, frames development, weighting, imputation, and variance estimation is required. Applicant must have a master's or doctoral degree in statistics and have excellent writing skills. 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. For immediate consideration, please send your cover letter, **indicating the Westat Job Code**, and resume, by **one** of the following methods to:

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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.

VCU Medical Center

Virginia Commonwealth University

Assistant/Associate Professor Department of Biostatistics

The Department of Biostatistics at Virginia Commonwealth University is seeking applicants specializing in genomic biostatistics for a tenure track position at the level of assistant (or associate) professor. Qualifications include: Ph.D. in biostatistics, statistics, bioinformatics, or related field. Experience in the analyses of genomic and/or proteomic data and familiarity with statistical programming environments for analyzing such high throughput data is preferred. Candidates should have excellent oral and written communication skills. Application areas of particular interest include epigenomics, genomics, whole genome association studies, systems biology and analysis of biological pathways. Techniques of particular interest include multivariate analysis, time series analysis, survival analysis and Bayesian methods. Primary responsibilities include teaching and advising graduate students as well as conducting independent methodological research. In addition, the successful applicant will be expected to collaborate with other VCU investigators in related fields in obtaining extramural grant support.

Virginia Commonwealth University is a large comprehensive university in Richmond Virginia, an affordable mid-sized city of considerable historic charm located two hours south of Washington DC, and an hour's drive from the Shenandoah mountains. The medical school (formerly Medical College of Virginia) has a distinguished history, and has embarked on a major expansion of research capacity. VCU is an urban, research intensive institution with a richly diverse university community and commitment to multicultural opportunities.

Applications must include a statement of research interest, curriculum vitae, and contact information for three professional references and should be directed to Donna McClish, Ph.D., Department of Biostatistics, School of Medicine, Virginia Commonwealth University, Box 980032, 730 E. Broad Street, Richmond, VA 23298, telephone: 804.827.2050, email: mcclish@vcu.edu.

Virginia Commonwealth University is an equal opportunity/affirmative action employer.
Women, minorities and persons with disabilities are encouraged to apply.

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 732 North Washington Street
 Alexandria, VA 22314-1943
or call (888) 231-3473



FACULTY POSITION Biostatistics

The Department of Biostatistics at **St. Jude Children's Research Hospital** (www.stjude.org/Biostatistics) invites applications for a faculty position at the Assistant or Associate Member (Professor) level depending upon qualifications. Candidates must have a Doctorate in biostatistics or statistics and a record of peer-reviewed publications developing and applying psychometric methods. Preference will be given to experienced applicants who are clearly interested in collaborating with investigators in behavioral medicine and psychology. Expertise with current trends and methodologies in psychosocial science, such as SEM, CFA, and approaches to mediation and moderation, is essential. Continued independent statistical research is expected of the successful applicant.

Applicants must demonstrate excellent oral and written communication skills and be proficient in computing. Compensation is very competitive and commensurate with experience.

Send letter of interest, CV, and three letters of reference to:

Dr. James M. Boyett
 Endowed Chair
 Department of Biostatistics
 St. Jude Children's Research Hospital
 262 Danny Thomas Place
 Memphis, TN 38105-3768
 Email: james.boyett@stjude.org

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Contacts

Main

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Email: asainfo@amstat.org

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General Information

Information about any of the following may be found by linking to the web sites listed below or by contacting Member Services.

Amstat Online

Access up-to-date information from Amstat Online at www.amstat.org. Updated often, the ASA's web site gives you access to recent news; the ASA's products and services; and section, chapter, and committee homepages.

ASA Membership

ASA members receive *Amstat News*; enjoy a variety of discounts on peer-reviewed journals, magazines, newsletters, proceedings, and brochures; build an invaluable network of more than 18,000 members; expand career horizons; and access up-to-date information from Amstat Online at www.amstat.org. To join, go to www.amstat.org/join.

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Campaigns for the ASA

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Members and friends of the ASA may contribute to the statistics profession by financially supporting our mission and goals. The ASA is a 501(c) (3) not-for-profit corporation. Contributions to the ASA are tax-deductible. Please visit www.amstat.org/giving for more information.

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■ **The ASA-SIAM Series on Statistics and Applied Probability** provides works of general interest to statisticians, applied mathematicians, engineers, and scientists. The series is jointly published by the ASA and the Society for Industrial and Applied Mathematics. Please visit www.amstat.org/publications/booksandcds.cfm.



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The purpose of this document is to encourage ethical and effective statistical work in morally conducive working environments. Please visit www.amstat.org/about/ethicalguidelines.cfm contact Member Services to receive a copy.

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The ASA JobWeb, a targeted job database and résumé-posting service, will help you take advantage of valuable career opportunities. Check out the many services available at www.amstat.org/jobweb, or email jobweb@amstat.org.

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Committees

Since its founding in 1839, the ASA has depended on the invaluable service of dedicated volunteers, working through committees, to achieve its goals of furthering the statistical profession. Please visit www.amstat.org/comm for information.

Education

With the help of knowledgeable and well-respected leaders in the profession, the ASA's Center for Statistics Education is able to provide quality educational opportunities to statisticians of all levels of achievement. Please visit www.amstat.org/education or email educinfo@amstat.org.

E-newsletter

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Annually, full members of established reputation who have made outstanding contributions in some respect of statistical work are recognized by selection for the honorary title of Fellow. Please visit www.amstat.org/fellows for more information.

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Joint Statistical Meetings (JSM)

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JSTOR

ASA members can purchase access to the JSTOR database of *JASA*, *TAS*, *Technometrics*, *JABES*, *JBES* and *JCGS*. JSTOR is a web archive of every issue of these publications with the exception of the most recent five years. To purchase access to these publications via JSTOR, visit www.amstat.org/publications/pdfs/JSTORSpecialOffer.pdf.

Member Directory

A full member directory is available at www.amstat.org/membership/directory/index.cfm or via the ASA "Members Only" web site, which allows a more detailed search. Only members who choose to participate are listed.

"Members Only"

As a member of the ASA, you have access to many additional features and options, including an enhanced searchable member directory, the E-newsletter archive, CIS, and "Members Only" discounts. You also have the ability to manage your account online. Please visit www.amstat.org/membersonly.

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Salary Report

An annual report of salaries of academic statisticians for instructors, assistant professors, associate professors, and full professors is available online at www.amstat.org/careers/salaryinformation.cfm.

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ASA Calendar of Events

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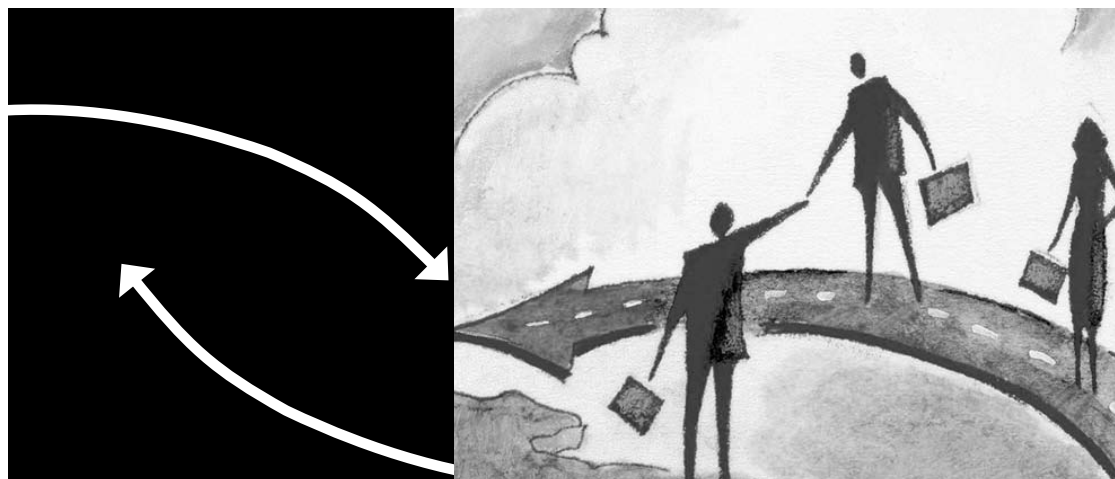
Editorial Calendar

The *Amstat News* editorial calendar is available at www.amstat.org/publications.

Mailing Lists

The ASA membership list is available for rental from our list broker, InFocus. Please contact Jessecua Nairn of InFocus at JNairn@infocuslists.com for more information or to order the ASA mailing list. Only members who choose to participate are listed.

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