



WSS NEWS

May 2009

WASHINGTON
STATISTICAL
SOCIETY

Announcement of the 2009 WSS Election

The 2009 WSS election will be held online from **Monday, April 27** through **Friday, May 22**. Instructions on voting will be sent to members the last week of April. Below are the candidates for this year's election. The results will be announced at the WSS Annual Dinner in June. Note: The order in which candidates appear on the ballot has been determined by a random process.

All WSS members in good standing as of March 31, 2009 are eligible to vote, as per the WSS Constitution. All are urged to vote once the balloting begins.

Candidates for President (select one)

J. Michael Brick, Westat and JPSM

Mike Brick is a Vice President and Director of the Survey Methods Unit at Westat, and is a research professor in the Joint Program in Survey Methodology at the University of Maryland. Prior to joining Westat in 1984, he was a mathematical statistician at three federal government agencies for about 11 years. He has a Ph.D. in statistics from American University, is a Fellow of the American Statistical Association, an elected member of the International Statistical Institute. He has published in a variety of journals on topics including sampling, weighting, and bias evaluation.

Brick has served on the AAPOR's Executive Council (2007-2009), as Associate Editor of *Survey Methodology* (2001-present) and *Public Opinion Quarterly* (2003-present), as editor of *The Survey Statistician* (1995-2000), and as publication editor of *Landmark Papers in Survey Statistics* (2001). He has also served on several panels or committees, including panels for the National Academy of Science and the American Statistical Association.

Chet Bowie, NORC

Chet Bowie is a Senior Vice President and Director of the Economics, Labor and Population Studies Department at NORC. Prior to joining NORC in 2007, he spent two years at Market Strategies, International. From 1972-2005 he worked at the Census Bureau where he spent the last 10 years of his career there as the Director of the Demographic Surveys Division.

Candidate for Secretary (select one)

Darryl Creel, RTI International

Darryl V. Creel is a Research Statistician at RTI International and has worked there for four and a half years. Prior to working at RTI, he worked at Mathematica Policy Research. In 1997, he received an M.S. in Statistical Science from George Mason University and became a member of the Washington Statistical Society. His general research interest is the survey process. His specific research areas of interest are imputation, nonresponse adjustments, and the analysis of survey data. For over a decade, he has enjoyed the benefits of being a WSS member and would like the opportunity to give something back to the statistical community.

Candidates for Methodology Program Chair (select one)

Jill A. Dever, RTI International

Jill A. Dever is a senior research statistician in RTI International's Washington DC office. She recently rejoined RTI after receiving her Ph.D. from the Joint Program in Survey Methodology under the direction of Richard Valliant. Jill has co-authored and reviewed articles for several survey-oriented journals, and regularly attends WSS-hosted events. Her current areas of interest include survey weight calibration, sample designs for multi-phase studies, various aspects of longitudinal surveys, yoga, and dark chocolate with red chilies.

David R. Judkins, Westat

David R. Judkins is a senior statistician at Westat. Except for a 16 month "vacation" at RTI, he had been at Westat since late 1986. Prior to that, he worked at the Census Bureau in the old Statistical Methods Division. Until about 2000, his major focus was on sample survey design. Gradually since then, he has re-focused on program evaluation, especially education programs. His major current interests are in semi-parametric procedures for imputation and inference, trying to compromise between design-based and model-based procedures. He was the SRMS program chair for the JSM in Seattle in 2006. He has served as a referee for the *Journal of Official Statistics*, *Survey Methodology*, *JASA*, and *Science*. He is also an associate editor of *Survey Methodology* and a past editor of the WSS Newsletter. He has 25 peer-reviewed papers and reports, many conference presentations, and several pieces of invited commentary. He wrote several of the entries for the new SAGE Encyclopedia of Survey Research Methods. He was made a fellow of the ASA in 2007.

Candidates for WSS Representative-at-Large (select two)

Christine Cox, NCHS

Christine Cox has worked for the Federal Government for 25 years and currently serves as the Director of Record Linkage Activities at the National Center for Health Statistics and the Branch Chief of the Special Projects Branch within the Office of Analysis and Epidemiology, NCHS. She currently serves on a variety of interagency committees including the Federal Committee on Statistical Methodology Confidentiality and Data Access Committee and Administrative Records Subcommittee. She also serves as a statistical disclosure expert on two federal agency Disclosure Review Boards and is a member of the Board of Directors for the Society of Biodemography and Social Biology. Her specific research interests involve imputation and data perturbation, and the analysis of linked survey and administrative data in health and health policy research. She has published both substantive and methodological work using administrative records and sample survey data in government reports and refereed journals. Christine regularly attends WSS seminars and has made numerous beneficial professional contacts through WSS. She is looking forward to the opportunity to become more active in the WSS and serving as a representative at large seems like a good way to start.

Robert Santos, The Urban Institute

Robert (Rob) Santos is Senior Institute Methodologist at The Urban Institute in Washington DC. He has served the public opinion and survey research communities for the past 30 years as a sampling/survey statistician, methodologist, project director, and senior administrator, holding leadership positions in academic, nonprofit and commercial research sectors. Rob is an elected Fellow of the American Statistical Association (ASA) and the 2006 recipient of the ASA Founder's Award for excellence in survey statistics and contributions to the statistical community. He has been a member of ASA since 1977, and has served on numerous elected and appointed positions, including Scientific and Public Affairs Advisory Committee, 2007-2009; Nominations Committee, 2007-2008 (chair, 2008); Program Chair, Social Statistics Section; 2000; Committee on Career Development 1996-2001 (Chair, 1999-01); Committee on Minorities in Statistics, 1981-1994, 1999-2004 (Chair 2003-2004); Committee on Privacy and Confidentiality, 1993-1997; Program Chair, Survey Research Methods Section, 1993 and Social Statistics Section, 2000. Rob has been a member of WSS for ten years.

Mel Kollander, Survey Research Consultant

Mel Kollander is presently a survey research consultant to the federal government and private companies that perform contract research with the federal government. Mel was founder and director of Temple University's Institute for Survey Research Washington office. Mel was the director from 1995 to 2005. Prior to his Temple U. position, Mel served as the Environmental Protection Agency's principal survey methodologist from 1979 to 1995. An important highlight was that he was on the staff of the Administrator, Carol Browner, for almost three years. Another highlight was that Mel served as advisor to the government of Kuwait and the World Health Organization regarding the assessment of the public's exposure to the smoke from the burning oil well fires during the 1991 Gulf War.

Mel has published numerous papers, chapters in several books and presented workshops and has been a guest lecturer on survey design for human exposure field studies and qualitative research methods.

Mel has been a member of the Board of the Washington Statistical Society since 1995. Currently, he is co-chair of the Agriculture and Natural Resources Program. Mel received the President's award in 2006 and was candidate for WSS president in 2007.

Zhiwei Zhang, NORC

Zhiwei Zhang is a Senior Research Scientist at the National Opinion Research Center where he has worked for 12 years. His research expertise and experiences include survey methodology, measurement errors, program evaluations, and statistical methods and applications. He was a recipient of the Clifford C. Clogg Award from the American Sociological Association Method Section in 1996, a visiting Bureau of Justice Statistics (BJS) fellow in 1997, a visiting National Institute on Aging (NIA) fellow in 2000, a Center for Spatially Integrated Social Science (CSISS) fellow in 2001, and an Institute for Mathematics and Its Applications (IMA) fellow in 2003. He has taken various roles such as principal statistician, litigation statistician, analytic task leader, co-investigator, principal investigator, associated project director, senior research scientist and technical advisor in projects for various government agencies including the Appalachian Regional Commission (ARC), Census Bureau, DHHS, DOE, DOI, DOJ, DOL, and the State of Qatar. In addition to co-authoring many published government policy related reports, he has published on *Proceedings of the Section on Survey Research Methods* (with Michael P. Cohen and Douglas Wright; with Fritz Scheuren; with Dean Gerstein; etc) and research papers with statistical applications in journals such as *Addiction*, *Journal of General Internal Medicine*, *Journal of Behavioral Health Services and Research*, *Social Behavior and Personality*, *Medical Care*, and *Journal of Health Psychology*. Dr. Zhang has been a member of ASA for more than 10 years and has presented at WSS seminars and JSM. He did WSS' community outreach educational and reporting activities as a volunteer and has chaired sampling and analytical algorithm related sessions at national and international statistical conferences.

The 17th Federal Forecasters Conference (FFC/2009)

Thursday, September 24, 2009
Washington, DC

The conference theme is "Forecasting and Risk." The conference seeks to highlight how forecasters account for low-probability, but high-cost events. Participants will review how forecasters account for the following risks: economic risk, energy supply risk, food supply risk, health care and epidemic risk, transportation disruptions, and natural disasters. The conference will examine the role of federal forecasters in the evolution of public policies that account for these rare events. For more information, visit www.federalforecasters.org or contact Jeff Busse, 12201 Sunrise Valley Drive, MS988, Reston, VA 20192; (703)648-4914; jbusse@usgs.gov

For more info click here: www.federalforecasters.org

WSS and Other Seminars

(All events are open to any interested persons)

May

20 Wed. **The Future of Telephone Surveys**

21 Thurs. **Underreporting of Transfers in Household Surveys: Its Nature and Consequences**

27 Wed. **Building Effective, Exceptionally Fast Fellegi-Holt Edit/Imputation Systems**

Also available on the Web at the following URL: <http://www.scs.gmu.edu/~wss/>

Announcement

SIGSTAT Topics

May 20, 2009:

GeoDA - Part 5

(<https://www.geoda.uiuc.edu/>)

GeoDa is the latest incarnation in a long line of software tools developed by Dr. Luc Anselin's Spatial Analysis Laboratory (SAL) in the Department of Geography at the University of Illinois, Urbana-Champaign. It is designed to implement techniques for exploratory spatial data analysis (ESDA) on lattice data (points and polygons). The free program provides a user friendly and graphical interface to methods of descriptive spatial data analysis, such as spatial autocorrelation statistics, as well as basic spatial regression functionality. The latest version contains several new features such as a cartogram, a refined map movie, parallel coordinate plot, 3D visualization, conditional plots (and maps) and spatial regression.

Continuing the April discussion, this month will cover: Bivariate Spatial Autocorrelation, Regression Basics, Regression Diagnostics, Spatial Lag Model, and Spatial Error Model

SIGSTAT is the Special Interest Group in Statistics for the **CPCUG**, the Capital PC User Group, and **WINFORMS**, the Washington Institute for Operations Research Service and Management Science. All meetings are in Room S3031, 1800 M St, NW from **12:00 to 1:00**. Enter the South Tower & take the elevator to the 3rd floor to check in at the guard's desk.

First-time attendees should contact Charlie Hallahan, 202-694-5051, hallahan@ers.usda.gov, and leave their name. Directions to the building & many links of statistical interest can be found at the **SIGSTAT** website, <http://www.cpcug.org/user/sigstat/>.

Note from the WSS NEWS Editor

Items for publication in the June issue of the WSS NEWS will be accepted until May 15, 2009. E-mail items to Michael Feil at michael.feil@usda.gov.

Program Announcement

- Title:** The Future of Telephone Surveys
- Panelists:** Clyde Tucker, Senior Survey Methodologist, Bureau of Labor Statistics
Scott Keeter, Director of Survey Research, Pew Research Center
Karol Krotki, Senior Research Statistician, RTI International
- Chair:** Carol Joyce Blumberg, Mathematical Statistician, Energy Information Administration
- Date/Time:** Wednesday, May 20, 2009 / 12:30 - 2:00 p.m.
- Location:** Bureau of Labor Statistics Conference Center, Room 8. To be placed on the seminar attendance list at the Bureau of Labor Statistics you need to e-mail your name, affiliation, and seminar name to wss_seminar@bls.gov (underscore after `wss') by noon at least 2 days in advance of the seminar or call 202-691-7524 and leave a message. Bring a photo ID to the seminar. BLS is located at 2 Massachusetts Avenue, NE. Take the Red Line to Union Station.
- Sponsors:** WSS Data Collection Methods and DC-AAPOR
- Abstract:** We are witnessing what could be termed a revolution in survey research. Trends such as increased use of cell phones and other wireless devices, decreasing cooperation rates, and pervasive presence of the Internet are motivating survey researchers to rethink data collection methodologies. New tools that are being used more frequently are multi-frame sampling, multi-mode interviewing, Internet panels, use of various wireless devices, and the reliance on large extant data bases for profile and screening information. This panel will focus on the implications of these new tools for the future of telephone surveys. Each panelist will give ten minutes of introductory comments. This will be followed by five minutes of comments by each of the panelists on the remarks of the other two panelists. The remainder of the time will be reserved for audience questions and discussion.

For further information contact Carol Joyce Blumberg at carol.blumberg@eia.doe.gov or (202) 586-6565.

Program Announcement

- Title:** Underreporting of Transfers in Household Surveys: Its Nature and Consequences
- Speaker:** Bruce Meyer, The Harris School, University of Chicago
- Discussant:** Charles Pierret, Bureau of Labor Statistics
- Chair:** Shelly Martinez, Office of Management and Budget
- Date/Time:** Thursday, May 21, 2009 / 12:30 – 2:00 p.m.
- Location:** Bureau of Labor Statistics Conference Center. (To be placed on the seminar attendance list at the Bureau of Labor Statistics, you need to email your name, affiliation and seminar name to wss_seminar@bls.gov (note that there is an underscore after 'wss') by noon at least two days in advance of the seminar or call 202-691-7524 and leave a message with this information. Bring a photo ID to the seminar. BLS is located at 2 Massachusetts Ave., NE. Take the Red Line to Union Station.
- Sponsor:** WSS Section on Public Policy
- Abstract:** In recent years, roughly half of the dollars received through Food Stamps, Temporary Assistance for Needy Families (TANF) and Workers' Compensation have not been reported in the Current Population Survey (CPS). High rates of understatement are found also for many other government transfer programs and in other datasets that are commonly used to analyze income distributions and transfer receipt. Thus, this understatement has major implications for our understanding of the economic circumstances of the population and the working of government programs. We provide estimates of the extent of transfer under-reporting for ten of the main transfer programs and five major nationally representative household surveys. We obtain estimates of under-reporting by comparing weighted totals reported by households for these programs with those obtained from government agencies. We also examine imputation procedures and the share of reported benefits that are imputed. Our results show increases in under-reporting and imputation over time and sharp differences across programs and surveys. These differences shed light on the reasons for under-reporting and are informative on the success of different survey methods. Our estimates provide evidence on the extent of bias in existing studies of program effects and program take-up and suggest possible corrections.

Program Announcement

Title: Building Effective, Exceptionally Fast Fellegi-Holt Edit/Imputation Systems

Chair: Arthur Kennickell, Board of Governors of the Federal Reserve System

Speaker: William E. Winkler, U.S. Census Bureau

Date/Time: Wednesday, May 27, 2009 / 12:30 – 2:00 p.m.

Location: Bureau of Labor Statistics, Conference Center. To be placed on the seminar attendance list at the Bureau of Labor Statistics you need to e-mail your name, affiliation, and seminar name to wss_seminar@bls.gov (underscore after 'wss') by noon at least two days in advance of the seminar, or call 202-691-7524 and leave a message. Bring a photo ID to the seminar. BLS is located at 2 Massachusetts Avenue, NE. Use the Red Line to Union Station.

Sponsor: Methodology Program, WSS

Abstract: A holy grail of edit/imputation research has been to create generalized modeling and production software based on the model of Fellegi and Holt (1976) that can be used with at most minor modification for a large set of different demographic surveys. There are distinct advantages to FH systems: (1) all edits are contained in easily modified tables, (2) the logical consistency of the system can be checked prior to the receipt of data, and (3) the optimization routines that determine the minimum number of fields to impute that assure that a record satisfies edits never need to be changed. A number of statistical agencies have implemented FH systems that are used across surveys but do not assure that underlying probability distributions are preserved in a principled manner. This talk presents new extended methods that combine restraints due to editing with constraints that preserve the joint distributions. Winkler (2003) provided theory on how FH methods could be combined with the imputation methods of Little and Rubin (2002). The new methods and computational algorithms (Winkler 2006, 2008) are characterized by extreme speed in comparison to commercial software and run on all computer systems. Because of its generality, use of tables for edit restraints, and ability to preserve joint distributions, the software can easily and quickly be applied in a large variety of survey situations, uses far less resources in building production systems, allows variance estimation and evaluation, and consistently provides demonstrably far better survey results than built-from-scratch hot-deck-based systems.

Announcement

**SYMPOSIUM ON
GAMES AND DECISIONS IN RELIABILITY AND RISK
May 27-28, 2009
The George Washington University**

The symposium on Games and Decisions in Reliability and Risk (GDRR) is being hosted by the Institute for Integrating Statistics in Decision Sciences (I²SDS), in the Department of Decision Sciences and the Institute for Reliability and Risk Analysis (IRRA) in the Statistics Department, the George Washington University, Washington DC. GDRR is partially supported by the Army Research Office. The objective of the symposium is to introduce a new theme, that is, use of game and decision theory in reliability and risk analysis and to bring together researchers from disciplines such as economics, engineering, finance, mathematics, medical sciences, probability and statistics who have a lot to contribute to this theme.

The site of the GDRR is the Duques Hall (2201 G Street, NW) which houses the School of Business at the George Washington University. The symposium will start at 9:00 am on May 27, 2009 and will conclude at 5:00 pm on May 28, 2009. The symposium dinner will take place on the evening of May 27th. Registration to the Symposium is free, but since the number of Symposium participants is limited to 60, participants are recommended to register as soon as possible by sending an e-mail to: i2sds@gwu.edu providing their name, affiliation and address.

A block of rooms has been reserved at The George Washington University Inn (202-337 6620) and at Double Tree Guest Suites (202-785 2000). You can make room reservations by calling the hotels and identifying yourself as a participant of the I²SDS Symposium. The symposium rate is \$185.00 per night for single occupancy plus taxes at The George Washington University Inn and is \$209.00 per night for single occupancy plus taxes at the Doubletree Guest Suites. You need a credit card to confirm your reservation. These rates are applicable until April 26, 2009.

The list of invited speakers include

Daron Acemoglu, Massachusetts Institute of Technology, USA
David Banks, Duke University, USA
Erhan Cinlar, Princeton University, USA
Arthur Dempster, Harvard University, USA
Peter Mueller, M. D. Anderson Cancer Center, USA
Suleyman Ozekici, Koc University, Turkey
Nicholas Polson, University of Chicago, USA
Fabrizio Ruggeri, CNR IMATI, Italy
Jayaram Sethuraman, Florida State University, USA
Ehsan Soofi, University of Wisconsin-Milwaukee, USA
Srinivasa Varadhan, New York University, USA
Simon Wilson, Trinity College, Ireland.

Announcement

Workshop on How to Do Nonresponse Bias Analyses in Household and Establishment Surveys

June 10, 2009

Bureau of Labor Statistics Conference Center
2 Massachusetts Avenue NE, Washington, DC

The Federal Committee on Statistical Methodology (FCSM) is sponsoring a one-day workshop designed to help Federal agencies meet the OMB guidance for conducting nonresponse bias analyses when surveys achieve response rates less than 80 percent. The workshop will feature illustrative examples of the research done by Federal agencies and their contractors to examine nonresponse bias in Federal surveys. The workshop is intended to provide a forum for agencies to learn and share experiences in conducting nonresponse bias analyses, with emphasis on the methodology, and each session will include time for floor discussion. A variety of techniques will be illustrated on different surveys, including Federal surveys of individuals, households, business establishments, farms, and educational institutions.

Research presented will include the examination of potential nonresponse bias by:

- Using data obtained from the survey frame or panel,
- Using data from response history,
- Benchmarking to external data and administrative records,
- Examining additional information obtained from a subsample of nonrespondents, and
- Evaluating different nonresponse weighting procedures.

In addition, some research will also be presented that compares two or more of these techniques and approaches to investigating potential nonresponse bias.

The workshop is targeted to:

- Individuals in Federal agencies who manage and conduct surveys;
- Federal statisticians, survey methodologists, and others who design, conduct, and evaluate surveys; and
- Individuals in universities, business and nonprofit organizations who are involved in the development, implementation or evaluation of Federal government surveys.

The workshop will assume a working knowledge of data collection methods in survey research. Examples will be presented and only rudimentary statistical knowledge of concepts such as bias and variance of estimates is required of participants.

Registration fee \$95. Attendance is limited.

For further information/questions regarding registration, please contact

Edward Spar or Lee Ann Sklar

Council of Professional Associations on Federal Statistics

2121 Eisenhower Avenue, Suite 200, Alexandria, Virginia 22314

Phone: 703-836-0404 Fax: 703-836-0406

E-mail: COPAFS@aol.com

Student Corner

Along with the delta method and optimization techniques, the ability to create statistical graphs and tables is one of the most powerful tools available to the statistician. From state level maps of the United States showing the unemployment rate to tables of individual statistics for sports teams, statistical graphs, tables, maps, charts, and plots surround us. I was again reminded of the importance and beauty of statistical graphs this past week when I attended what turned out to be an extremely popular workshop on envisioning data taught by Professor Edward Tufte (<http://www.edwardtufte.com/tufte/>). His coffee-table-sized books are full of super diagrams, tables, and graphs from all time periods telling complex data stories in clear and concise ways.

As a child, I enjoyed exploring maps and learning about the world geography. As a student of statistics, now I am intrigued by data maps. In addition to looking at and analyzing graphs, I often create tables and graphs for homework and class assignments. One of my favorite parts of writing a long report or assignment is using the R package to make graphs to show my results. About a year ago, two of my friends, Jill Dever and Kim Henry taught a class on R to some fellow students in my department. One of the highlights was visiting a website (<http://addictedtor.free.fr/graphiques/>) dedicated to making graphics in R. I was surprised to learn that the same software package that I use to do simulations and run models could be used to create graphs of bunnies, Chernoff Faces, and county level maps of the United States. The website contains over 150 beautiful graphs along with the R source code for each graph, so you can create similar graphs too.

It is obvious to me that my friends and faculty in the survey methodology department also appreciate graphs. Most offices have cut-outs or print-outs of plots, tables, or graphs with amusing annotations hanging outside them. My colleagues who have defended their dissertation nearly always include tables, graphs, or diagrams in their defense. Most have been very insightful and summarized a massive amount of research which could easily take more than ten power point slides to describe. It is often said that a picture is worth a thousand words; a statistical graphic may very well be worth a googolplex or two.

Tim Kennel (tkennel@survey.umd.edu)

Employment

As a service to local statisticians, *WSS News* provides notification of employment opportunities and description of those seeking employment here in the Washington, DC, area. Readers are encouraged to take advantage of this feature of the newsletter. The deadline for inserting notices is five (5) weeks before the publication date. Those interested should email or call Anne Peterson, at apeterson@insightpolicyresearch.com or (703) 373-6645.

WESTAT AN EMPLOYEE-OWNED RESEARCH CORPORATION

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 WSS/DRM/90001)

A total of 3 or more years of relevant experience in sample design and selection, frames development, weighting, imputation, and variance estimation. 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:

Job Code is **REQUIRED** to apply.

Westat

Attn: Resume System

1650 Research Boulevard

Rockville, MD 20850-3195

Email: resume@westat.com / FAX: (888) 201-1452

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ASSOCIATE TO FULL PROFESSOR OF STATISTICS OR BIostatISTICS

The Department of Statistics (DOS) and The Biostatistics Center (BSC) of The George Washington University are recruiting a tenured faculty position at the Associate Professor or Professor level. Basic Qualifications are a PhD in Statistics or Biostatistics, an established program of research, and a strong national and international reputation. Core responsibilities of the position will be to serve as Principal Investigator or co-Investigator on one or more BSC major projects; to teach 1 course per year in the DOS and to advise PhD students in Statistics and Biostatistics. The position will be tenured and funded 100% in Year 1. Salary support will decrease to 25% over a 5-year period. The remaining salary will be funded by sponsored projects (either at the BSC, or other external funding secured by the faculty member). Review of applications will begin May 1, 2008 and will continue until the position is filled. For additional information and the application procedure, please see <http://www.gwu.edu/~stat/>.

The George Washington University is an Equal Opportunity/Affirmative Action Employer

CLINICAL TRIAL BIostatISTIcIANS

The Biostatistics Center of The George Washington University is currently recruiting biostatisticians to serve as Co-Investigator or Principal Investigator (Project Director) and to provide statistical direction of the design, conduct and analysis of studies and the conduct of methodologic research to meet the projects needs.

Basic Position Requirements: Doctorate in Biostatistics, Statistics or Epidemiology, or alternatively an M.D. or Ph.D. in Biological Science, Physical Science or Computer Science **with** a Masters in Biostatistics or Statistics, 1-5 years' experience with clinical trials, especially study design and statistical analysis of study results using SAS, excellent oral and written English communication skills, and supervisory experience. All interested applicants at the rank of Assistant Professor in Biostatistics or Statistics may apply for the **Samuel W. Greenhouse Biostatistics Research Enhancement Award**. For a period of 1 year, the award will provide 20% effort for methodological research, professional activities and travel. Review of applications is ongoing until the positions are filled. For complete information and application procedures, please visit our website at: www.bsc.gwu.edu. Only complete applications will be considered

The George Washington University is an Equal Opportunity/Affirmative Action Employer.

MATHEMATICAL STATISTIcIANS

The U.S. Government Accountability Office (GAO) is seeking to hire one or more senior mathematical statisticians or senior statisticians to work in its Applied Research and Methods Team. GAO*s mission is to support the Congress in meeting its constitutional responsibilities and to help improve the performance and ensure the accountability of the federal government for the benefit of the American people. Incumbents work as members of multi-disciplinary teams in a variety of subject matter areas including welfare, education, environmental issues, tax, justice, etc. Major duties include performing sample design, sample selection, and estimation; performing statistical analyses, interpreting and presenting statistical results, advising staff on statistical matters, and preparing or reviewing sections of reports that present sample estimates or the results of statistical analysis. This position requires a high level of statistical expertise, effective interpersonal skills, strong organizational abilities, ability to meet deadlines while working concurrently on multiple projects, and strong written and oral communications skills. The salary range is \$77,468 to \$114,642. GAO offers a comprehensive benefits package. Relocation expenses will not be paid. To apply, visit www.gao.gov and submit your resume and application to announcement number GAO-09-ARM-1529-12 or GAO-09-ARM-1530-13.

See following page for obtaining additional information.

Links for these two announcements are provided below. You can apply directly from these web pages. (Note: depending on your computer, you may have to cut and paste the links into your browser. They both are good links, as of April 29.)

Senior Mathematical Statistician:

http://jobsearch.usajobs.opm.gov/getjob.asp?JobID=80484268&AVSDM=2009%2D04%2D16+00%3A03%3A01&Logo=0&jbf574=LG00*&FedEmp=Y&sort=rv&vw=d&ss=0&brd=3876&FedPub=Y&caller=/agency_search.asp&SUBMIT1.x=73&SUBMIT1.y=14

Senior Statistician:

http://jobsearch.usajobs.opm.gov/getjob.asp?JobID=80484300&AVSDM=2009%2D04%2D16+00%3A03%3A01&Logo=0&jbf574=LG00*&FedEmp=Y&sort=rv&vw=d&ss=0&brd=3876&FedPub=Y&caller=/agency_search.asp&SUBMIT1.x=73&SUBMIT1.y=14



**P.O. Box 2033
Washington, DC 20013**

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President Karol P. Krotki	202-728-2485	Past President Michael P. Cohen	202-232-4651	President-Elect John Eltinge	202-691-7404
	Secretary Chris Moriarity	301-458-4380	Treasurer Jane Li	240-314-2566	
Vice Chair for District 2 of Council of Chapters Glenn White	202-327-6414			Council of Chapters Representative Jonaki Bose	240-276-1257
	Brian A. Harris-Kojetin	202-395-7314	Representative-at-Large Jeri Mulrow	703-292-4784	
	Jim Knaub	202-586-3014	Elizabeth Margosches	202-564-7636	
Student Representative Timothy Kennel	301-763-6795				
WSS Program Chairs					
Agriculture and Natural Resources Mel Kollander	703-642-8079	Economics Linda Atkinson	202-694-5046	Methodology Brian Meekins	202-691-7594
Mike Fleming	202-366-0183	Anne Polivka	202-691-7395	Keith F. Rust	301-251-8278
Barry Nussbaum	202-566-1493				
Public Health and Biostatistics Grant Izmirlian	301-496-7519	Public Policy Michael L. Cohen	202-334-3765	Quality Assurance and Physical Sciences Amrut Champaneri	202-366-5998
Myron Katzoff	301-458-4307	Shelly Martinez	202-395-3147	Alan Jeeves	202-366-4194
Defense and National Security Wendy Martinez	540-284-1032	Human Rights Wendy Rotz	202-327-7822		
Myron Katzoff	301-458-4307	Hormuzd Katki	301-594-7818		
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