



# WSS NEWS

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# WASHINGTON STATISTICAL SOCIETY

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## WHAT'S NEW?

### **WSS and George Mason University Sponsor a Mock Advanced Placement (AP) Statistics Exam**

Students from local area high schools, accompanied by their teachers, gave up their Saturday morning to take an exam hosted by the Department of Statistics and proctored by members of the George Mason University Stem Education Club on April 25. More than 160 students from eight local high schools practiced their statistical knowledge by taking a mock Advanced Placement (AP) statistics exam, which served as real-time practice for the test that will be administered in early May by the College Board. High schools participating in the event were: Fairfax, Herndon, Oakton, John Champe, W.T. Woodson, Stonewall Jackson, Osbourne Park and Robinson.

Assistant Professor Beth Johnson, of the Volgenau School of Engineering's Department of Statistics, who organized the session said, "This event was a wonderful way for the university to make connections with the local community. Not only did it provide the students with valuable practice as they prepared for the actual exam, it also allowed teachers the opportunity to meet and discuss issues related to the AP Statistics curriculum."

As the students answered the free response and multiple-choice sections of the practice exam, their teachers discussed issues related to the AP Statistics curriculum and the scoring of exams.

Meta Smith, a mathematics teacher and department chair at Herndon High School, was excited about the opportunity and said she learned a great deal from the workshop. She hopes to recruit additional teachers and students for next year.

The event was partially sponsored by the Washington Statistical Society, and the American Statistical Association provided promotional materials. Johnson, who has experience leading similar events at the University of South Carolina, The College of New Jersey, and Wilkes University, hosted the event.

The department anticipates hosting this event on a regular basis.



AP Teacher Meeting



Students & Teachers During Break



Students Enjoying Lunch Break



Students Taking Mock Exam

## SEMINARS

**Title:** **A Brief History of Classification and Regression Trees**

**Date/Time:** **June 4, 2015**  
**12:30– 1:30 pm**

**Speaker:** Wei-Yin Loh, University of Wisconsin - Madison

**Chair:** Mike Fleming

**Sponsor:** Methodology Section

**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](mailto: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. Use the Red Line to Union Station.

Parking in the area of BLS is available at Union Station. For parking information see <http://www.unionstationdc.com/parking>. No validation is available from BLS for reduced parking rates.

**Abstract:**

It has been 52 years since the publication of AID (Morgan and Sonquist, 1963), the first regression tree algorithm. Owing to its novelty at the time and to the many questions it left unanswered, the paper was met with mostly criticism and cynicism. As a result, little progress was made until the appearance two decades later of CHAID (Kass, 1980), CART (Breiman et al., 1984), ID3 (Quinlan, 1986), and FACT (Loh and Vanichsetakul, 1988). These second-generation methods brought new ideas that resolved many of the issues of AID, but they also revealed some fundamental computational and statistical problems of their own. Research accelerated over the last two decades, being spurred almost simultaneously by the rapid increase in computing power, the rapid growth in the size and complexity of data sets, and

the desire for more flexible statistical techniques. This talk will give a brief critical review of the history of the subject and the current state-of-the-art algorithms.

**POC:** loh@stat.wisc.edu

**WebEx event address; for attendees:**

<https://dol.webex.com/dol/j.php?MTID=m367db7dbfefd17af098f42d2aa056d9f>

**For audio:** Call-in toll-free number (Verizon): 1-866-747-9048 (US)  
Call-in number (Verizon): 1-517-233-2139  
(US) Attendee access code: 938 454 2

**Title:** **Curb-Stoning Part III**

**Date/Time:** **June 9, 2015**  
**12:30– 2:30 pm**

**Chair:** Nancy Bates, Census Bureau

**Sponsor:** Methodology Section

**Location:** Offices of Mathematica-MPR (near L Street, north of Union Station)  
1101 First Street NE, 12th Floor  
Washington DC 20002

### **Schedule**

<b>Time</b>	<b>Speaker</b>	<b>Affiliation</b>	<b>Point of Contact</b>
12:30	Mike Fleming	WSS	charles.fleming@bhox.com
12:40	Regina Faranda	Office of Opinion Research	FarandaRD@State.gov
1:00	M. Rita Thissen	RTI International	rthissen@rti.org
1:20	Rodrick J. Marquette	Census Bureau	Rodrick.J.Marquette@census.gov
1:40	Aref N. Dajani	Census Bureau	Aref.N.Dajani@census.gov
2:00	Fritz Scheuren*	NORC	scheuren@aol.com

\*discussant

### **Abstract:**

This Washington Statistical Society conference on curb-stoning is the third in a series of events on the same subject. The first event was sponsored by the WSS Methodology Section last December, and the second event was recently produced by the New England Chapter of the American Association for Public Opinion Research. Curb-stoning is a colloquialism for the practice of statistical enumerators and their supervisors to fabricate respondent data. Their techniques may be clever and even sophisticated. The speakers of this event will discuss the motives for curb-stoning, programs to detect its occurrence, and methods to discourage its practice.

### **The Cheater Problem Revisited: Lessons from Six Decades of State Department Polling**

Nearly 70 years after Leo Crespi's paper "The Cheater Problem in Polling," the challenge of preventing, detecting, and - in those rare instances - mitigating the damage from falsification remains. In the U.S. Department of State's Office of Opinion Research, which owes its founding to Dr. Crespi and other survey pioneers, we face this issue in some of the 200 surveys we conduct in nearly 100 countries yearly. Our office has faced institutional challenges in confronting falsification, including the instinct to shy away from tarnishing all of our research in the eyes of a sometimes skeptical audience, doubly so when the stakes of representing international publics are high. We have also grappled with limited capacity, both in terms of time for uncovering possible fraud and in the technical ability to systematically do so. This presentation will underscore the need to weave the ethos of confronting falsification into the fabric of survey research, and not just in an international context. It will focus specifically on the quality control process that State's Office of Opinion Research has developed over several years. The process includes a procedural checklist that our researchers must follow before reporting data, changes to our requirements for collecting paradata and metadata, and systematic guidance on approaching field firms to deal with cases of possible fraud.

~ Regina Faranda

Acting Director, Office of Opinion Research, U.S. Department of State

### **Technical Aids for Detering and Detecting Falsification of Survey Data**

Quality assurance teams encounter ever-changing challenges in confirming the authenticity of interviewer-collected survey data. At RTI, several precautionary measures during and after data collection aid the monitoring of data collectors and review of data after receipt. When feasible, computer audio-recorded interviewing (CARI) allows detailed oversight of in-person surveys and augments live-monitoring of telephone interviews. Collection of global positioning system (GPS) coordinates can confirm the location of interviews conducted by field staff using mobile devices. For some surveys, on-location image-capture helps to validate authenticity. After data receipt at RTI, datasets undergo systematic review for high levels of unit or item non-response, paradata outliers, duplicate records and unexpectedly high levels of CARI refusals. The combination of these techniques provides an adaptable, multi-sourced, evidence-based process for quality assurance and control.

~ M. Rita Thissen

Department Manager, Center for Technology Solutions, Research Computing Division, RTI International, Research Triangle Park, NC 27709

### **Curbstoning Detection and Prevention at Census: New Initiatives**

Curbstoning detection and prevention is one of several survey lifecycle quality assurance techniques conducted at Census. Recommendations from the Office of the Inspector General of the Department of Commerce, corroborated by the House Committee on Oversight and Government Reform, are being implemented Bureau-wide with the full backing of the Census Director. This presentation highlights new initiatives planned or currently underway to detect and prevent curbstoning at Census.

These operational initiatives include a centralized reinterview program, a redesign of the reinterview sample, implementation of Computer Audio Recorded Interviewing (CARI) pioneered by the Research Triangle Institute (RTI), and extensive use of paradata and administrative data. These curbstoning detection and prevention initiatives together will promote accurate, objective decisions made quickly and cost-effectively to ensure that our data and our employees adhere to our quality standards.

~Aref N. Dajani and Rodrick J. Marquette  
U.S. Census

#### **WebEx event address for attendees:**

<https://mprwebex.mathematica-mpr.com/orion/meeting/meetingInfo?MeetingKey=999482355&siteurl=mprwebex>

**Meeting Number:** 999 482 355

**Audio/no video:** **609-945-6996 (access code: 999 482 355)**

**Note:** Particular computer configurations might not be compatible with WebEx.

# **CALL FOR PAPERS/CONFERENCE**

**Office of Revenue Analysis,  
DC Office of the Chief Financial Officer**

## **FFC/2015: The 21st Federal Forecasters Conference**

### **CALL FOR PAPERS**

The FFC Board invites you to present a paper at one of the afternoon concurrent sessions. Please note, papers are not restricted to the official conference theme and may cover any subject relating to forecasting or estimation. Presenters are encouraged to provide a written version of their presentation. Individual presentations of the papers will be limited to 15 to 20 minutes in length. Please send your abstract of 100 or fewer words to:

**Michelle.Chu@irs.gov by August 1, 2015.**

All presenters must provide an electronic copy of their paper in a Microsoft Word file (preferred) or Adobe Acrobat PDF file by **November 1, 2015 to William Hussar** ([william.hussar@edu.gov](mailto:william.hussar@edu.gov)) to ensure their paper's inclusion in the conference proceedings.

See **next page** for the recommended format. All papers presented in the afternoon concurrent sessions and provided by November 1, 2015 will be published as Proceedings of the 2015 Federal Forecasters Conference. A panel of judges will determine the best paper presented during the concurrent sessions and recognition will be awarded at the following Federal Forecasters Conference.

**Title Centered in 12-Point Bold Times New Roman Type**

Author and organization centered in normal 10-point Times New Roman

Please compose, format, and spell check your document in Microsoft Word. Format all text in a double-column, normal 10-point Times New Roman font type, and columns should be square. Left and right margins must be 1" and the spacing between the two columns must be 0.2".

Text should be single-spaced, with double spacing between paragraphs. Small tables and figures may be included in the column text, but place all larger tables and figures at the end of the document in single column format.

Refer to the FFC/2014 Proceedings volume for examples of the recommended paper format (available at [www.federalforecasters.org](http://www.federalforecasters.org)).

All presenters must provide an electronic copy of their papers in a Microsoft Word file (preferred) or Adobe Acrobat PDF by November 1, 2015. Please email the file to William Hussar at [william.hussar@ed.gov](mailto:william.hussar@ed.gov). Final papers will be published on the Federal Forecasters website as an Adobe Acrobat PDF file.

Your paper may be omitted from the FFC/2015 Proceedings Volume if you fail to conform to these guidelines.

**FFC/2015--- The Federal Forecaster's Conference Contest  
Official Entry Form  
Entries due August 1, 2015**

**Name:** \_\_\_\_\_

**Agency/Department:** \_\_\_\_\_

**Address:** \_\_\_\_\_

**Phone:** \_\_\_\_\_

**E-mail Address:** \_\_\_\_\_

Please write your forecasts in the boxes provided for the following 5 items. Put your forecasts in the same format as the example. The forecasts will be judged by the ranking method (analysis of variance by ranks).

Question	Forecast
1. Seasonally adjusted unemployment rate for the month of July 2015.  <b>(Example:</b> For April 2014, the national unemployment rate was 6.7%)	
2. Number of privately-owned housing starts, seasonally adjusted, in July 2015.  <b>(Example:</b> In April 2014 the number of privately-owned housing starts, seasonally adjusted, was 907,000)	
3. Average temperature at Reagan National Airport for August 15, 2015.  <b>(Example:</b> On April 1, 2014, the average was 52 °F)	
4. Closing price of the S&P 500 on August 14, 2015.  <b>(Example:</b> The closing price of the S&P on April 1, 2014 was 1,885.52)	
5. Closing price of Green Mountain Coffee Roasters Inc. on August 14, 2015 (Ticker: <b>GMCR</b> ).  <b>(Example:</b> Closing price closed at \$109.77 on April 1, 2014) <b>Note:</b> Green Mountain Coffee Roasters Inc. changed its name in 2014 to Keurig Green Mountain Inc. The ticker symbol is still the same.	

We will announce the winner at the FFC/2015 Conference, Thursday, September 24, 2015. All decisions of the contest judges are final. FFC board members are not eligible to participate in this forecasting contest. Each person may submit only one entry. All contest entries are confidential. For more information, please call Brian Sloboda at (202) 693-5904 or e-mail at [sloboda.brian.w@dol.gov](mailto:sloboda.brian.w@dol.gov). Each individual will receive confirmation of receipt of his/her submission.

## **FFC/2015: The 21<sup>st</sup> Federal Forecasters Conference**

**Date:** September 24, 2015

**Location:** Bureau of Labor Statistics Conference and Training Center  
2 Massachusetts Avenue, NE  
Washington, DC 20212

**Check-In:** 8:00 am - 9:00 am

**Schedule:** 9:00 am - 4:15 pm  
(Plenary and concurrent session schedule to follow)

**Abstract Submission Due:** August 1, 2015

**Contest Entry Deadline:** August 1, 2015

**Register Online By:** September 10, 2015 at [www.21st-ffc-2015.eventbrite.com](http://www.21st-ffc-2015.eventbrite.com)  
There is no charge for participation

### **Theme: Are Forecasts Accurate? Does it Matter?**

Forecasts typically undergo a review before they are released to judge whether or not the forecast adheres to commonly accepted technical practice. Forecasts often face an ex post evaluation that focuses on realized accuracy. Whether forecasting immigration or emigration, agricultural production and price, mineral reserves and prices, or forecasting the direction of labor, economic, education, energy, and revenue trends, forecasters face similar private and public scrutiny. How are forecasts evaluated? How is forecast accuracy judged? How does the accuracy of forecasts affect users? Add your voice to the discussion. Join us at the 21<sup>st</sup> Federal Forecasters Conference, where these and other forecasting questions will be addressed.

**Suggested Presentation Topics for the Afternoon Session**

- General topics in forecasting
- Case studies: Using forecasts in policy decision making
- Forecast methodology
- Forecast evaluation

**~ Sponsoring Agencies ~**

**Bureau of Labor Statistics • Department of Veterans Affairs  
Economic Research Service • Internal Revenue Service  
National Center for Education Statistics • U.S. Census Bureau  
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**~ Partnering Organizations ~**

**Research Program on Forecasting • George Washington University  
Society of Government Economists • Office of Revenue Analysis**

**DC Office of the Chief Financial Officer**

# Washington Statistical Society

## Member Spotlight

*Introducing your fellow members and showcasing the diversity of the WSS membership*



### Meet WSS Member Connie Citro...

#### 1. Where do you work and what do you do?

I am the staff director for the Committee on National Statistics, a standing unit established at the National Academy of Sciences/National Research Council in 1972 to improve the information and statistical methods on which public policy decisions are based. CNSTAT's rotating membership of expert volunteers oversees the projects carried out by study panels and workshop committees under its aegis. (The NAS/NRC, an independent nonprofit organization chartered in an 1863 congressional charter to provide advice to the government in scientific and technological areas, has about 50 such standing units – e.g., Food and Nutrition Board, Committee on Applied and Theoretical Statistics, Computer Science and Telecommunications Board.) I oversee a staff of about 18 study directors and project assistants, some of whom are on their second careers after working in a federal statistical agency. I was myself a study director for 20 years before becoming staff director in 2004.

#### 2. What attracted you to your current position?

After having had great experiences at Mathematica Policy Research and before that at Data Use and Access Laboratories and the Census Bureau, I was nonetheless looking to do something a bit different. Miron Straf, then CNSTAT research director, reached out to me in late 1983 to direct a study on methodology for the 1990 census. I wondered how one ever produced a consensus report from a dozen experts. I not only found out, but also discovered that I loved the process of working with outstanding people to develop evidence-based and well-crafted findings and recommendations on important issues of statistics for public policy, and the process seemed to like me. The rest is history.

#### 3. Finish this sentence: "I joined WSS to..."

I joined WSS in the mid-1980s (at the time I joined CNSTAT) to network with the broader statistical community in the Washington area, not only for my own personal benefit, but also to enhance my effectiveness in support of CNSTAT's mission to help coordinate our very decentralized federal statistical system. I have very much enjoyed the contacts and friendships I have made through WSS.

#### 4. What was your first job?

My first "real" job was as a social science analyst in the new Data Access and Use Laboratory (DAUL) at the U.S. Census Bureau in 1967-69. My husband and I moved from upstate New York to DC in 1967 for him to conduct his dissertation research on Booker T. Washington in the Library of Congress. One of us needed a job, and I was close to finishing my dissertation in political science from Yale. I had used historical census data in my dissertation and decided to apply at the Census Bureau. I fell into a wonderful new initiative, led by the late Jack Beresford, to help data users get ready for working with computerized summary files and public use microdata samples, which were to be offered as regular products for the first time from the 1970 census. DAUL and the nonprofit Data Use and Access Laboratories (DUALabs), founded by Beresford, where I worked from 1969-1974, trained the first generation of academic and government users of electronic statistical data.

#### 5. Why did you join the statistics profession?

I did not begin my career as and am not now a "statistician," in that my training was in political science with service courses in statistics and survey methods and my primary orientation to statistical data has been that of a user rather than a methodologist. But I do think of myself as a member of the statistics profession writ large. Throughout my career, I have viewed myself as trying to assist users of the government's investment in the public good of high-quality federal statistics —by developing documentation and metadata, by promoting proactive outreach by statistical agencies to determine the needs of their user communities, and, at CNSTAT, by helping statistical and research agencies improve the relevance, accuracy, and timeliness of the data they collect and disseminate.

**6. What is the most interesting statistical project you have worked on recently?**

The most interesting statistical project with which I have been involved recently is that of developing one or more major CNSTAT projects to facilitate the use of multiple data sources and state-of-the-art methods to improve statistical programs in an era of constrained budgets, falling survey response rates, and rising survey costs. We have recently obtained funding from a foundation to explore quality metrics for multiple data sources (surveys, administrative records, data streams from scanners, monitors, the Internet, etc.), conduct case studies of innovative uses of multiple data sources as proofs of concept, and develop principles and practices for a paradigm in which user needs drive the choice of cost-effective methods to obtain information rather than a paradigm of producing information from a particular survey or administrative records series, no matter its deficiencies. We also have projects from NASS and BEA about using multiple data sources for their programs. It is a very exciting area in which to be working.

**7. Finish this sentence: "On an ideal Saturday, I would..."**

... enjoy walking around Capitol Hill (where I live) with my husband, including stops at the Eastern Market, Frager's Hardware, and—depending on which compass direction we wanted to emphasize—the Botanic Gardens on the west, Congressional Cemetery on the east, or the Yards Park on the south—ending with a late lunch/early dinner at Mr. Henry's.

**8. What is the last book you read?**

I just completed the JRR Tolkien translation/commentary on "Beowulf" (completed in 1926 but just recently published by his estate), which I discovered, to my delight, is the source for much of "The Hobbit." I read the book on my Kindle while using an exercycle. I find that this method enables me to read a lot of books that I would otherwise never tackle.

**9. What is your favorite song/artist/genre?**

Although my son has never understood this, I am a life-time devotee of classical music, including 18<sup>th</sup> and 19<sup>th</sup> century symphonies and concertos, oratorios, and operas. I have on occasion pointed out to my son that popular movies often draw on classical music that is no longer under copyright.

**10. Have you had any great career mentors? If so, what made them great?**

The nature of my work at CNSTAT enables me to interact with many wonderful statisticians and other experts from whom I have learned much. I regard the late Janet Norwood (former commissioner of the Bureau of Labor Statistics who had retired with her husband to Austin, TX) and Graham Kalton (chairman and senior vice president of Westat) as particularly great mentors. I had the good fortune to work with each of them when they served on CNSTAT and when they chaired study panels. They both exhibited the highest standards of excellence in their own work and in what they expected of others. They set great examples of dedication to improved federal statistics and statistical agency capacities and of proactive leadership, which I have strived to emulate.

## **SPOTLIGHT A WSS MEMBER!**

### **Washington Statistical Society's Spotlight on Members Program**

The WSS Board of Directors has established a program to highlight members who have made or are making notable contributions to the work of their organization or their professional field of expertise. We know that WSS members are doing interesting work in the fields of statistics, survey methodology, and the social sciences. Through this program, we hope to spotlight the accomplishments of our fellow WSS members.

This is our first request for nominations, to be featured in an upcoming issue of WSS News. We are interested in featuring members at all levels of the employment spectrum including recent graduates, mid-career employees, and those seasoned veterans.

Please feel free to nominate more than one person or a team working together. You may also nominate yourself as well. The nominees must be members of the WSS and not currently affiliated with the Board.

Please provide us with the following information about your nominee or nominees.

1. Your name, email address, and telephone number
2. Name or names of nominee(s)
3. Organizational affiliation
4. Job title
5. Their contact information including email address and telephone number
6. A brief narrative describing the reasons for your nomination
7. A photo of the nominee, although not required, would be greatly appreciated

Please submit your nominations or direct any questions to, John Finamore ([jfinamore@nsf.gov](mailto:jfinamore@nsf.gov)), member of the WSS Board.

We look forward to hearing from you.

## COURSES & WORKSHOPS

<http://news.dc-sug.org/>



### 3rd Quarter Washington, DC SAS Users Group (DCSUG) Meeting 2 Speakers:

Tuesday, September 1, 2015 8:30am to 12:00pm

Bureau of Labor Statistics (BLS) Conference Center in the basement of the building.

Address: 2 Massachusetts Avenue NE, Washington, DC 20212

#### #1. Kirk Paul Lafler via Web-Ex:

**SAS Author and SAS User since 1979.** Consultant and founder of Software Intelligence Corporation, has been a SAS user since 1979. He received his BS and MS degrees from the University of Miami. As a SAS Certified Professional, Lafler provides IT consulting services and training to SAS users around the world. He is the author of several other books, including PROC SQL: Beyond the Basics Using SAS (2004) and Power AOL and Power SAS, as well as more than 500 papers and articles, and he is the recipient of nearly two dozen "best" contributed paper, hands-on workshop (HOW), and poster awards. Lafler is a frequent speaker at international, regional, special-interest, local, and in-house SAS Users Group conferences and meetings, and he is an emeritus Advisory Board member of sasCommunity.org. He also writes the popular SAS tips column, "Kirk's Korner," that appears regularly in several SAS Users Group newsletters.

<https://m.youtube.com/watch?v=rehei5IEOrQ>

#### #2. Joshua T. Hewitt:

Academic Outreach and Collaborations Manager at SAS

Education Practice, SAS Campus Drive, Cary NC 27513

Cell [+1 919.961.8095](tel:+19199618095) Tel [+1 919.531.1458](tel:+19195311458) [Josh.Hewitt@sas.com](mailto:Josh.Hewitt@sas.com)

*"SAS Analytics U. Education at Any Age is an Investment in the Future"*

- Overview of our SAS Analytics U program and the free offerings that accompany it.
- Data Science, Big Data and Data Analytics, where are the jobs and how academics can gear up to assist the next generation workforce
- Partnership/Collaborations with Higher Education Institutions

**FREE SAS SOFTWARE Available to Academia and Lifelong Learners**

- SAS UNIVERSITY EDITION;
- SAS ON DEMAND FOR ACADEMICS;
- SAS EDUCATIONAL ANALYTICAL SUITE:

[http://www.sas.com/en\\_us/learn/analytics-u.html#software](http://www.sas.com/en_us/learn/analytics-u.html#software)

[http://www.sas.com/en\\_us/software/university-edition.html](http://www.sas.com/en_us/software/university-edition.html)

**Info-Metrics Institute Training/Tutorial Short Classes  
American University, Washington, DC**

**Nonparametric Kernel Methods for Practitioners across the Sciences  
May 18 - 22, 2015**

Jeffrey S. Racine (McMaster University)

**Interdisciplinary Applications of Microeconometrics  
May 25 - 29, 2015**

William Greene (New York University)

For specific topics studied in these classes see our web page:  
<http://www.american.edu/cas/economics/info-metrics/econometrics.cfm>

Registration opens soon. Space is limited. To register in advance or for more information on these courses, please visit our Info-Metrics Summer Program web page, or contact Yang Liu at [info-metrics@american.edu](mailto:info-metrics@american.edu).

Info-Metrics Institute  
American University  
4400 Massachusetts Ave NW, Kreeger 104  
Washington, DC 20016-8029  
<http://www.american.edu/info-metrics>

**Introduction to Survey Estimation****MAY 28-29, 2015****Bureau of Labor Statistics Conference Center, Washington DC 2012**

Presented by David Morganstein and Sunghee Lee

**Registration and Payment Due by May 18, 2015**[https://projects.isr.umich.edu/jpsm/html\\_content.cfm?CourseID=052815](https://projects.isr.umich.edu/jpsm/html_content.cfm?CourseID=052815)**Designing and Conducting Business Surveys****JUNE 16-17, 2015****Bureau of Labor Statistics Conference Center, Washington DC 2012**

Presented by Diane Willimack, Gustav Haraldsen and Ger Snijkers

**Registration and Payment Due by June 2, 2015**[https://projects.isr.umich.edu/jpsm/html\\_content.cfm?CourseID=061615](https://projects.isr.umich.edu/jpsm/html_content.cfm?CourseID=061615)**Practical Tools for Nonresponse Bias Studies****SEPTEMBER 18, 2015****Bureau of Labor Statistics Conference Center, Washington DC 2012**

Presented by Jill Montaquila and Kristen Olson

**Registration and Payment Due by September 4, 2015**[https://projects.isr.umich.edu/jpsm/html\\_content.cfm?CourseID=091815](https://projects.isr.umich.edu/jpsm/html_content.cfm?CourseID=091815)**Introduction to Survey Sampling****DECEMBER 7-8, 2015****Bureau of Labor Statistics Conference Center, Washington DC 2012**

Presented by Colm O'Muircheartaigh and James M. Lepkowski

**Registration and Payment Due by November 23, 2015**[https://projects.isr.umich.edu/jpsm/html\\_content.cfm?CourseID=120715](https://projects.isr.umich.edu/jpsm/html_content.cfm?CourseID=120715)

## EMPLOYMENT OPPORTUNITIES



### QUANTITATIVE RESEARCH ANALYST

Based in Washington, D.C., **InterMedia Survey Institute**, is a not-for-profit global consultancy specializing in strategic research and evaluation. Since 1995, our quantitative research alone has engaged nearly 2 million respondents in more than 100 countries, including many of the world's most challenging environments.

The **Quantitative Research Analyst** conducts post-collection assessment and cleaning of quantitative data to ensure data integrity, as well as performs advanced statistical analysis and visualization of data to assist in the extraction of significant insight.

#### ***Qualifications:***

##### *Education*

- Master's Degree or higher in quantitative social science research and/or statistics.

##### *Skills, Knowledge and Abilities*

- Advanced proficiency in the use of SPSS, STATA, R or equivalent analytical software
- High proficiency in multivariate analysis, including factor, cluster and multiple regression methodology
- Knowledge of and experience with quantitative survey research and sampling methods
- Skill in data visualization
- Skill in geospatial data mapping and representation is advantageous
- An excellent team player and problem-solver with a client-focused approach to work, ideally with an understanding of international development, international media and/or strategic communications.

Compensation commensurate with experience. We invite qualified candidates to send a brief cover letter, resume and salary history to [QRA@intermedia.org](mailto:QRA@intermedia.org).

**No phone calls** please. Due to the high volume of responses to our ads, only shortlisted candidates will be contacted.

EOE/M/F/V/D



## **SPSS Statistician - Paid Internship (Part-time)**

InterMedia is a not-for-profit global consultancy specializing in strategic research and evaluation. Since 1995, our quantitative research alone has engaged nearly 2 million respondents in more than 100 countries, including many of the world's most challenging environments. We are based in Washington, D.C.

**We are seeking qualified individuals who are interested in gaining hands-on work experience in survey data management and analysis.** This position will assist InterMedia's Research Team with managing data, conducting analysis with SPSS, creating graphics, and helping prepare presentations as needed.

### **Qualifications (Education, Experience and Special Skills)**

- Bachelor's degree in social science, statistics, and/or related discipline.
- Excellent technical understanding of data and statistical software. Excellent analytical research skills.
- Excellent knowledge of applied research.
- Excellent verbal and written communication skills.
- Ability to pay attention to detail, process work accurately, and perform multiple tasks simultaneously.
- Must be proficient in English.

**This position is located in Washington, D.C. Candidates outside of the Washington, DC metro area will not be offered relocation or temporary housing allowances. We invite qualified candidates to email a cover letter and resume to [Interns2015@intermedia.org](mailto:Interns2015@intermedia.org).**

**No phone calls please.** Due to the high volume of responses to our ads, only shortlisted candidates will be contacted.

EOE/M/F/V/D

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John Dixon (202) 691-7516 [dixon\\_j@bls.gov](mailto:dixon_j@bls.gov)

Timothy Kennel (301) 763-6795 [timothy.l.kennel@census.gov](mailto:timothy.l.kennel@census.gov)

**Herriot Award Committee**

Jill Montaquila (301) 517-4046 [jillmontaquila@westat.com](mailto:jillmontaquila@westat.com)

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[safir.adam@bls.gov](mailto:safir.adam@bls.gov)

[scheuren@aol.com](mailto:scheuren@aol.com)

[scheuren@aol.com](mailto:scheuren@aol.com)

[Deb\\_Griffin3@verizon.net](mailto:Deb_Griffin3@verizon.net)

[horrigan.michael@bls.gov](mailto:horrigan.michael@bls.gov)

[hulten@econ.bsos.umd.edu](mailto:hulten@econ.bsos.umd.edu)

[William.g.bostic.jr@census.gov](mailto:William.g.bostic.jr@census.gov)

[ruser.john@bls.gov](mailto:ruser.john@bls.gov)

[brian.bucks@cfpb.gov](mailto:brian.bucks@cfpb.gov)

[paben.steven@bls.gov](mailto:paben.steven@bls.gov)

[eric.v.slud@census.gov](mailto:eric.v.slud@census.gov)

[mark\\_harris@nass.usda.gov](mailto:mark_harris@nass.usda.gov)

[keithrust@westat.com](mailto:keithrust@westat.com)

[kkrotki@rti.org](mailto:kkrotki@rti.org)

[jdever@rti.org](mailto:jdever@rti.org)

[pkott@rti.org](mailto:pkott@rti.org)

[ejohns40@gmu.edu](mailto:ejohns40@gmu.edu)

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