

Federal Committee on Statistical Methodology Research Conference

Advance Program

November 2–4, 2009

Walter E. Washington Convention Center
801 Mount Vernon Place, NW
Washington, DC 20001

Sponsored by:

Agency for Healthcare Research and
Quality

Bureau of Economic Analysis

Bureau of Justice Statistics

Bureau of Labor Statistics

Bureau of Transportation Statistics

Energy Information Administration

National Agricultural Statistics Service

National Center for Education Statistics

National Center for Health Statistics

Office of Research, Evaluation, and

Statistics, Social Security Administration

Statistics of Income Division, Internal
Revenue Service

U.S. Census Bureau

U.S. Environmental Protection Agency

Hosted by:

Council of Professional Associations on
Federal Statistics



Federal Committee on Statistical Methodology Research Conference

Washington, DC–November 2–4, 2009

Monday (11/2)

7:30 a.m.
Registration
(Concourse)

Coffee
(Concourse)

9–10 a.m.

**Welcoming Remarks and
PLENARY SESSION I**
(Rooms 151A and 151B)

10–10:30 a.m.
Break
(Concourse)

10:30 a.m.–12 noon
**CONCURRENT SESSION
II-A: II-B: II-C:**
(Room 151A)(Room 152A)(Room 152B)

Tuesday (11/3)

7:30 a.m.
Registration
(Concourse)

Coffee
(Concourse)

9–10:30 a.m.

Technical Demonstrations
(Rooms 154A and 154B)

9–10:30 a.m.
**CONCURRENT SESSION
V-A: V-B: V-C:**
(Room 151A)(Room 152A)(Room 152B)

10:30–11 a.m.
Break
(Concourse)

Wednesday (11/4)

7:30 a.m.
Registration
(Concourse)

Coffee
(Concourse)

9–10:30 a.m.

**CONCURRENT SESSION
IX-A: IX-B: IX-C:**
(Room 151A)(Room 152A)(Room 152B)

10:30–11 a.m.
Break
(Concourse)

12 noon–1:15 p.m.
Open

1:30–3 p.m.
CONCURRENT SESSION
III-A: III-B: III-C:
(Room 151A)(Room 152A)(Room 152B)

3–3:30 p.m.
Break
(Concourse)

3:30–5 p.m.
CONCURRENT SESSION
IV-A: IV-B: IV-C:
(Room 151A)(Room 152A)(Room 152B)

11 a.m.–12:30 p.m.
CONCURRENT SESSION
VI-A: VI-B: VI-C:
(Room 151A)(Room 152A)(Room 152B)

12:30–1:45 p.m.
Open

2–3:30 p.m.
CONCURRENT SESSION
VII-A: VII-B: VII-C:
(Room 151A)(Room 152A)(Room 152B)

3:30–4 p.m.
Break
(Concourse)

4–5:30 p.m.
CONCURRENT SESSION
VIII-A: VIII-B: VIII-C:
(Room 151A)(Room 152A)(Room 152B)

11 a.m.–12:30 p.m.
CONCURRENT SESSION
X-A: X-B: X-C:
(Room 151A)(Room 152A)(Room 152B)

12:30–1:45 p.m.
Open

2–3:30 p.m.
CONCURRENT SESSION
XI-A: XI-B: XI-C:
(Room 151A)(Room 152A)(Room 152B)

Meeting Rooms:
Located at street level on
the M Street side near the
Metro.

The logo for the Federal Committee on Statistical Methodology (FCSM) features the letters 'FCSM' in a large, bold, blue font. Behind the letters is a circular seal with text including 'OFFICE OF THE PRESIDENT', 'DEPARTMENT OF THE ARMY', 'DEPARTMENT OF THE NAVY', 'DEPARTMENT OF THE AIR FORCE', and 'DEPARTMENT OF THE INTERIOR'. To the right of the 'FCSM' letters, the words 'Federal Committee on Statistical Methodology' are written in a smaller, blue, serif font.

Federal Committee on Statistical Methodology

2009 FCSM Research Conference

The 2009 Federal Committee on Statistical Methodology (FCSM) Research Conference was initiated by the FCSM. The FCSM is an interagency committee dedicated to improving the quality of federal statistics. The committee's major goals are to:

- Communicate and disseminate information on statistical practice among all federal statistical agencies,
- Recommend the introduction of new methodologies in Federal statistical programs to improve data quality, and
- Provide a mechanism for statisticians in different Federal agencies to meet and exchange ideas.

The 2009 FCSM Research Conference provides a forum for experts from around the world to discuss and exchange current research and methodological topics relevant to federal government statistical programs. Each day of the conference will offer papers on a wide range of topics including the use of advanced technologies for survey design and data collection, processing and dissemination, data mining, data warehousing and metadata, treatment of missing data, improving coverage and response rates, confidentiality and disclosure issues, record linkage, sample design and estimation, cognitive research and usability testing, and data quality.

Technical demonstrations will run concurrently on the second day of the conference during the first morning session. Applications will include demonstrations on Q-Notes, Field Interviewer (FI) Tracker Tool, Statipedia, and Census Coverage Measurement Clerical Matching software.

Sessions feature papers and demonstrations by government, private sector, and academic researchers from eight countries. All paper sessions will include an open discussion and some sessions will include a formal discussion. Papers will be made available at the conference on a CD-ROM and posted to the FCSM Web site <www.fcsm.gov> following the conference.

We hope to see you at the 2009 FCSM Research Conference.

Monday, November 2

7:30 a.m.–5 p.m.

Registration

7:30–9 a.m.

Coffee

9–9:10 a.m.

Welcoming Remarks

9:10–10 a.m.

PLENARY SESSION I

Keynote Speaker: Katharine Abraham (Joint Program in Survey Methodology, University of Maryland, USA)

10–10:30 a.m.

Break

10:30 a.m.–12 noon

CONCURRENT SESSION II-A:

REDESIGNING THE NATIONAL CRIME VICTIMIZATION SURVEY

Chair: Michael Rand

(Bureau of Justice Statistics, USA)

Assessing Sample Design Options for the National Crime Victimization Survey

Robert Fay and Jianzhu Li

(Westat, USA)

Analysis of Possible Nonresponse Bias in the National Crime Victimization Survey

Fritz Scheuren and Zhiwei Zhang

(NORC at the University of Chicago, USA)

Examination of Data Collection Methods for the National Crime Victimization Survey

Lisa Carley-Baxter, Emilia Peytcheva, Vince Iannacchione, and Rachel Caspar

(RTI International, USA)

Experimenting With Speech Interactive Voice Response, Touchtone Data Entry and the Web for the National Crime Victimization Survey

David Cantor and Pat Dean Brick (Westat, USA), Roger Tourangeau and Frederick Conrad (Joint Program in Survey Methodology, University of Maryland, USA)

Evaluation of a 12-Month Reference Period in the National Crime Victimization Survey

Lisa Lee and James Carr
(NORC at the University of Chicago, USA)

CONCURRENT SESSION II-B:

ECONOMIC INDICATORS

Chair: Dennis Fixler

(Bureau of Economic Administration, USA)

Modeling Corporate Failure: A PLS Logistic Regression

Ben Jabeur Sami (University of Toulon-Var, France) and Aroua Rachid (University Nice Sophia Antipolis, France)

Music as a Capital Asset

Rachel Soloveichik

(Bureau of Economic Analysis, USA)

The BTS Transportation Services Index and Its Relationship to the Business Cycle

Kenneth Notis, Peg Young, and Long Nguyen
(U.S. Department of Transportation)

Reliability of Price Indices to Age Expenditure Data Used in Government Measures

Sharon O'Donnell (U.S. Census Bureau) and Stuart McDonald (University of Queensland, Australia)

CONCURRENT SESSION II-C:

BAYESIAN METHODS

Chair: Charlie Hallahan (U.S. Department of Agriculture)

Record Linkage Modeling in Federal Statistical Databases

Michael Larsen (Iowa State University, USA)

Adjusted Residual Maximum Likelihood Method in the Small-Area Estimation and Related Problems With Applications

Partha Lahiri (University of Maryland, USA) and Huilin Li (National Institutes of Health, USA)

Spatial-Temporal Assimilation of Fine Fraction Particulate Matter

Ana Rappold (U.S. Environmental Protection Agency) and Marco Ferreira (University of Missouri, USA)

The Spatio-Temporal Determinants of Charter School Site Selection in New York City

Charisse Gulosino (Brown University, USA)

12 noon–1:15 p.m.

OPEN LUNCH

1:30–3 p.m.

CONCURRENT SESSION III-A:

ISSUES IN DATA CONFIDENTIALITY AND DISCLOSURE RISK

Chair: Marilyn Seastrom (National Center for Education Statistics, USA)

Incorporating Quality Measures in Tabular Data Protected by Perturbation Methods

Ramesh Dandekar (Energy Information Administration, USA)

Protecting Numerical Confidential Data Using Data Shuffling: A Demonstration of Effectiveness of Approach and Flexibility of Delivery

Rathindra Sarathy (Oklahoma State University, USA) and Krish Muralidhar (University of Kentucky, USA)

Vulnerability of Complementary Cell Suppression to Intruder Attack

Lawrence Cox (National Center for Health Statistics, USA)

Evaluating the Impact of Data Swapping Using Global Utility Measures

Sylvia Dohrmann, Tom Krenzke, and Shep Roey (Westat, USA) and Neil Russell (U.S. Department of Education)

CONCURRENT SESSION III-B:

STATISTICAL USES OF ADMINISTRATIVE DATA

Chair: Carol Joyce Blumberg

(Energy Information Administration, USA)

Using the NHIS Linked to Mortality to Examine Social Disparities in Life Expectancy

Kimberly Lochner, Van Parsons, Nathaniel Schenker, and Elsie Pamuk (National Center for Health Statistics, USA)

Business Demography Applied to Some Italian Municipal Administrations

Viviana De Giorgi (National Institute for Italian Statistics (ISTAT), Italy)

An Evaluation of Data from the NCES Teachers Compensation Survey: The Relationship Between Teachers Compensation and Students in Poverty

Stephen Cornman and Frank Johnson (U.S. Department of Education)

Use of Administrative Data for Farm Program Payments in the 2007 Census of Agriculture Edit

Virginia Harris, Jeffrey Beranek, William Iwig, and Dan Beckler (National Agriculture Statistics Service, USA)

CONCURRENT SESSION III-C: COVERAGE EVALUATION AND IMPROVEMENT

Chair: Chris Chapman (National Center for Education Statistics, USA)

Census Population Coverage Error: Results and Methods

Colleen Clark (Statistics Canada)

Assessment of Potential Bias in Telephone Survey Estimates Due to Noncontact and Noncoverage When Household Respondents Primarily Use Wireless Telephones or Do Not Have Landline Telephones

Meena Khare and Abera Wouhib (National Center for Health Statistics, USA)

Evaluating the Accuracy of Imputed Block Codes Via Address Canvassing

Christine Tomaszewski (U.S. Census Bureau)

The Influence of State-Specific, Programmatic Characteristics in the Modeling of Medicaid Undercount

Matthew Stevens (U.S. Census Bureau)

3–3:30 p.m.

Break

3:30–5 p.m.

CONCURRENT SESSION IV-A:

MODELING OF DATA

Chair: Chris Chapman

(National Center for Education Statistics, USA)

Project for the Evaluation of the Transportation Activities and Safety Situation of the Street Transportation in Developing Countries Using a Cost-Effective Methodology: The Case of Cameroon

Ramses Zang, Sebastien Djienouassi, and Annie Laurence Maponjou (Centre for Studies and Research on International Development (CERDI), France)

More Efficient Local Polynomial Regression on Random-Effects Panel Data Models

Ke Yang (University of Hartford, USA)

**Assessing Immigrant Naturalization:
Longitudinal Research Findings and
Challenges**

Karen Woodrow-Lafield
(Unaffiliated Scholar, USA)

Discussant: TBA

**CONCURRENT SESSION IV-B:
DEFINING THE GREEN ECONOMY;
AND ISSUES IN U.S. OCCUPATIONAL
CLASSIFICATION SYSTEMS**

Chair: Jeff Beaubier (U.S. Environmental
Protection Agency)

**Occupational Classification Systems
Analyzing the 2010 SOC Revision**

Alissa Emmel, Theresa Cosca, and Anne
Louise Marshall (Bureau of Labor
Statistics, USA)

Defining the Green Economy

Richard Clayton and George Stamas
(Bureau of Labor Statistics, USA)

**Updated Unified Category System for
1960–2000 Census Occupations**

Peter Meyer (Bureau of Labor Statistics, USA)

Discussant: Barry Nussbaum

(U.S. Environmental Protection Agency)

**CONCURRENT SESSION IV-C:
IMPROVING COVERAGE AND
RESPONSE RATES**

Chair: John Finamore (U.S. Census Bureau)

SIPP 2008 Wave 1 Incentive Analysis

Stephen Clark, Stephen Mack, and Mahdi
Sundukchi (U.S. Census Bureau)

**Adaptive Contact Strategies in a
Telephone Survey**

James Wagner (University of Michigan, USA)

**Characteristics of Parent Respondents
in the National Household Education
Surveys**

Stacey Bielick (American Institutes for
Research, USA)

**Measuring the Effects of Reminder
Postcards in the Occupational
Employment Statistics Survey**

Carrie Jones (Bureau of Labor Statistics, USA)

Tuesday, November 3

7:30 a.m.–5:30 p.m.

Registration

7:30–9 a.m.

Coffee

9–10:30 a.m.

TECHNICAL DEMONSTRATIONS

DEMONSTRATION OF SOFTWARE TOOLS FOR:
COLLABORATION, MATCHING, AND ANALYZ-
ING QUESTION QUALITY AND PARADATA

Chair: William Mockovak

(Bureau of Labor Statistics, USA)

Q-Notes: Development and Use of Analy- sis Software for Cognitive Interviews to Examine Survey Question Comparability

Kristen Miller, Aaron Maitland, Heather
Ridolfo, Stephanie Willson, and Justin Mezetin
(National Center for Health Statistics, USA)

A Demonstration of FI Tracker: A Tool for Displaying and Monitoring Survey Interview Paradata

Joe Murphy, Susan Myers, and Barbara Bibb
(RTI International, USA)

Statipedia—A Web 2.0 Platform for Col- laboration Across Statistical Agencies

Peter Meyer and James Buszuwski (Bureau of
Labor Statistics, USA)

Demonstration of Census Coverage Measurement Clerical Matching Software

Tamara Adams, Susanne Johnson, Lee
Goldberg, and Paul Clemm (U.S. Census
Bureau)

9–10:30 a.m.

CONCURRENT SESSION V-A:

SOCIAL SECURITY ADMINISTRATION USES
OF ADMINISTRATIVE RECORDS LINKED WITH
SURVEY DATA

Chair: Jim Sears (Social Security
Administration, USA)

**Using W-2 Tax Records and SIPP Survey
Data to Estimate Changes in Pension
Participation and Type of Pension
Between 1998 and 2006**

Howard Iams and Irena Dushi (Social Security
Administration, USA)

**Estimating the Supplemental Security
Income Participation Rate Among the
Elderly**

Alexander Strand, Kalman Rupp, and Paul
Davies (Social Security Administration, USA)

**Using Matched Survey and Administra-
tive Data to Estimate Eligibility for the
Medicare Part D Program Low Income
Subsidy**

Lynn Karoly, Erik Meijer, and Pierre-Carl
Michaud (Rand Corporation, USA)

Discussant: John Czajka (Mathematica Policy
Research, Inc., USA)

CONCURRENT SESSION V-B:

STATISTICAL WEIGHTING AND EDITING

Chair: Eugene Burns (Energy Information
Administration, USA)

**Census Data Editing and the Art of
Motorcycle Maintenance**

Michael Levin (Harvard Center for Population
and Development Studies, USA)

Re-Weighting of CPS Data

Maryan Cammarata (U.S. Census Bureau)

**Comparison of Retail Drug Prices
Obtained in the MEPS and Commercial
Claims Data: Implications for Price
Editing Rules and Data Quality**

Marc Zodet, Steven Hill, and G. Edward Miller
(Agency for Healthcare Research and
Quality, USA)

**Different Approaches for Non-Response
Adjustments to Statistical Weights in
Continuous NHANES**

Lisa Mirel and Vicki Burt (National Center for
Health Statistics, USA)

**CONCURRENT SESSION V-C:
IMPROVEMENTS IN SAMPLE DESIGN AND
SURVEY ESTIMATION**

Chair: John Finamore (U.S. Census Bureau)

NIS Evaluation Study

Kimball Jonas (U.S. Census Bureau)

**Methodological Improvements in the Job
Openings and Labor Turnover Survey**

John Wohlford (Bureau of Labor
Statistics, USA)

**An Evaluation of the Use of the
American Community Survey as the
Sampling Frame for the National
Immunization Survey (NIS)**

James Singleton and Philip Smith (Centers
for Disease Control and Prevention, USA) and
Andrea Piani and Christopher Stringer (U.S.
Census Bureau)

**Issues Related to Adding Sub-Annual
Estimates to the Data Products Available
from the American Community Survey**

Karen King (U.S. Census Bureau)

10:30–11 a.m.

Break

11 a.m.–12:30 p.m.

CONCURRENT SESSION VI-A:

UNIQUE METHODS FOR CONSIDERATION
REGARDING DATA CONFIDENTIALITY

Chair: Tom Petska (Retired, Internal Revenue
Service, Statistics of Income Division, USA)

**The Unique Method for Obtaining Data:
Entering Agreements to Share Adminis-
trative Records**

Stephen Cornman

(U.S. Department of Education)

**Statistical Disclosure Control of Tabular
Format Magnitude Data –**

**Why It Is Not a Good Idea to Use Home
Grown (Manual or Automated)**

Cell Suppression Procedures

Ramesh Dandekar (Energy Information
Administration, USA)

**Privacy Violations in Accountability
Data Released to the Public by State
Educational Agencies**

Krish Muralidhar (University of Kentucky,
USA) and Rathindra Sarathy (Oklahoma State
University, USA)

**Expert Task Force Consideration of
Confidentiality, Effect Sizes, and
Computerized Adaptive Testing at NCES**

Andrew White and Marilyn Seastrom (National
Center for Education Statistics, USA)

Discussant: Phillip Kott
(RTI International, USA)

CONCURRENT SESSION VI-B:

IMPROVING DATA QUALITY THROUGH THE
USE OF ECONOMETRIC MODELING

Chair: Mina Kim (Bureau of Labor Statistics,
USA)

**A Model to Improve Timeliness of
Business Register Data**

Filipponi Danila, Patrizia Cella, and Giuseppe
Garofalo (Italian National Institute of Statistics
(ISTAT), Italy)

Fitting A Linear Model to Survey Data When the Long-Term Average Daily Intake of a Dietary Component Is An Explanatory Variable

Phillip Kott (RTI International, USA), Patricia Guenther (U.S. Department of Agriculture), David Wagstaff (Pennsylvania State University, USA), WenYen Juan (U.S. Food and Drug Administration), and Sibylle Kranz (East Carolina University, USA)

Collinearity Diagnostics for Complex Survey Data

Dan Liao (Joint Program in Survey Methodology, University of Maryland, USA)

Multilevel Models and Small Area Estimation in the Context of Vietnam Living Standards Surveys

Dominique Haughton (Bentley University, USA), Phong Nguyen (General Statistics Office of Vietnam, Vietnam), Irene Hudson and John Boland (University of South Australia, Australia)

CONCURRENT SESSION VI-C:

VARIANCE ESTIMATION

Chair: Tamara Rib

(Internal Revenue Service, USA)

From Theory to Practice: The Intricacies of Implementing the RAO-WU Bootstrap to a Survey

Claude Girard (Statistics Canada)

Linearization Variance Estimation for Two-Phase Sampling Under Mass Imputation

Abdellatif Demnati (Statistics Canada) and J.N.K. Rao (Carleton University, Canada)

Variance Approximations for Price Index Estimation

John Eltinge and Moon Jung Cho (Bureau of Labor Statistics, USA)

On Estimation of Mean Expenditures and Their Variance Estimation in Consumer Expenditure Survey

Michail Sverchkov
(Bureau of Labor Statistics, USA)

12:30–1:45 p.m.

Open Lunch

2–3:30 p.m.

CONCURRENT SESSION VII-A:

INFORMED CONSENT AND PARTICIPATION

Chair: Paul Guerino (Bureau of Justice Statistics, USA)

Securing Informed Consent from Less Educated Respondents: Results from the National Inmate Survey

Rachel Caspar (RTI International, USA) and Paul Guerino (Bureau of Justice Statistics, USA)

Motivating Non-English-Speaking Populations for Census and Survey Participation

Yuling Pan (U.S. Census Bureau)

Informed Consent and the Statistical Use of Administrative Records

Michael Hawes and Carol Comisarow (U.S. Census Bureau)

Discussant: Al Zarate (Consultant, National Center for Health Statistics, USA)

CONCURRENT SESSION VII-B:

CHALLENGES OF FEDERAL HOUSEHOLD SURVEYS IN EVALUATING FINANCIAL WELL-BEING

Chair: Thesia Garner (Bureau of Labor Statistics, USA)

A Tale of Two Surveys: Mortgage Wealth Data in the AHS and the SIPP

George Carter III and Alfred Gottschalck (U.S. Census Bureau)

Income Measurement in Federal Surveys

John Czajka (Mathematica Policy Research, Inc., USA) and Gabrielle Denmead (Denmead Services and Consulting, USA)

Evaluation of Health Insurance Coverage Estimates from the American Community Survey

Joanna Turner (U.S. Census Bureau)

Discussant: Brian Meekins (Bureau of Labor Statistics, USA)

CONCURRENT SESSION VII-C:

EFFECTS OF IMPUTATION ON SURVEY ESTIMATES

Chair: John Bushery (U.S. Census Bureau)

Trends in Imputation from 1977 to the Present: CPS Income Supplement

Joan Turek, Brian Sinclair-James, and Bula Ghose (U.S. Department of Health and Human Services), Fritz Scheuren (NORC at the University of Chicago, USA) and Charles Nelson and Edward Welniak (U.S. Census Bureau)

Testing New Imputation Methods for Earnings in the Survey of Income and Program Participation

Martha Stinson and Gary Benedetto (U.S. Census Bureau)

Sensitivity of Inference Under Imputation: An Empirical Study

Jeffrey Gonzalez and John Eltinge (Bureau of Labor Statistics, USA)

Imputation Methods for the Current Employment Statistics Survey

Kennon Copeland (NORC at the University of Chicago, USA) and Lan Pham (Bureau of Labor Statistics, USA)

3:30–4 p.m.

Break

4–5:30 p.m.

CONCURRENT SESSION VIII-A:

IDENTIFYING AND REDUCING SOURCES OF SURVEY ERROR

Chair: William Mockovak (Bureau of Labor Statistics, USA)

Methodological Aspects of Holistic Response Management in the Unified Enterprise Survey

Serge Godbout and Sungjin Youn
(Statistics Canada)

Assessing and Correcting the Effects of Measurement Error on the 2008 Economic Directorate Editing and Imputation Inventory

Laura Ozcoskun, La Toya Thomas, and Michael Hayes (U.S. Census Bureau)

Models of Nonresponse and Their Relationship to Survey Estimates

John Dixon (Bureau of Labor Statistics, USA)

Reducing Measurement Error in the Current Population Survey

Joanne Pascale (U.S. Census Bureau)

CONCURRENT SESSION VIII-B:

FORECASTING

Chair: Charlie Hallahan
(U.S. Department of Agriculture)

A Nonparametric Test for Residual Seasonality

Tucker McElroy (U.S. Census Bureau) and Scott Holan (University of Missouri-Columbia, USA)

Macro Factors in UK Excess Bond Returns: Principal Components and Factor-Model Approach

Deniz Erdemlioglu (Catholic University of Leuven, Belgium)

**A Review of Air Travel Passengers
Forecasting Models and Their
Robustness Under Volatile
Macroeconomic Conditions**

Ali Dadpay (Macrosys Research, USA) and
Charlie Han, Antony Hooman, and David
Chesser (U.S. Department of Transportation)

**Seasonal Adjustment of Short Time
Series with Calendar Effect Treatments–
Applied Methods in the Bureau of
Labor Statistics**

Brian Dahlin (Bureau of Labor Statistics, USA)

CONCURRENT SESSION VIII-C:

EXAMPLES OF INNOVATIVE ANALYTICAL
APPLICATIONS

Chair: Kevin Cecco (Internal Revenue Service,
Statistics of Income Division, USA)

**The Term Structure with Macro Factors,
Expectations Hypothesis and Regime
Shift**

Xiaoneng Zhu (Nanyang Technological
University, Singapore)

**Developing a Common Mode–Indepen-
dent Approach for Evaluating Interview
Quality and Interviewer Performance**

Howard Speizer, Susan Kinsey, Richard
Herman-Ackah, and Rita Thissen (RTI Interna-
tional, USA)

**First-Line Supervisors: Innovative
Analysis of an Employer Survey**

Kelly Maguire and Charles Griffiths (U.S.
Environmental Protection Agency)

Discussant: TBA

Wednesday, November 4

7:30 a.m.–12:30 p.m.

Registration

7:30–9 a.m.

Coffee

9–10:30 a.m.

CONCURRENT SESSION IX-A:

ISSUES CONCERNING THE STATISTICAL USE OF ADMINISTRATIVE RECORDS

Chair: Jock Black (National Science Foundation, USA)

Overview of Open Research Questions in Methodological and Empirical Work with Statistical Uses of Administrative Records

Shelley Wilkie Martinez (Office of Management and Budget, USA) and John Eltinge (Bureau of Labor Statistics, USA)

Expanding Access to Administrative Data: A Research Proposal Focused on Privacy and Confidentiality

Gerald Gates (Gerald Gates Privacy Consulting, USA)

Investing in A Data Quality Assurance Program for Administrative Data Linked to Survey Data for Policy Research Purposes Is Essential

Michael Davern (University of Minnesota, USA)

Discussant: Robert Fay (Westat, USA)

CONCURRENT SESSION IX-B:

WEB SURVEYS

Chair: Joy Sharp (Bureau of Transportation Statistics, USA)

Internet Surveys and the Demise of the Matrix

Grace O'Neill and Stan Freedman (Energy Information Administration, USA)

The Effects of Formatting Long Lists of Response Options in Demographic Questions

Cleo Redline, Roger Tourangeau, and Frederick Conrad (Joint Program in Survey Methodology, University of Maryland, USA) and Mick Couper (University of Michigan, USA)

Response Format Effects on Measurement of Employment

Randall Thomas (ICF International, USA), Jolene Smyth (University of Nebraska-Lincoln, USA), and Don Dillman (Washington State University, USA)

Mode Effects in Mixed-Mode Surveys of Veteran and Military Populations

Boris Rachev (ICF International, USA)

CONCURRENT SESSION IX-C:

ISSUES IN SAMPLE DESIGN

Chair: David Kinyon (U.S. Census Bureau)

Revisiting Nested Stratification of Primary Sampling Units

Tom Krenzke and Wen-Chau Haung (Westat, USA)

Statistical Sample Design for Coalbed Methane Industry Survey: Projects Versus Wells

Marla Smith and Carey Johnston (U.S. Environmental Protection Agency)

Maximizing Overlap of Large Primary Sampling Units in Repeated Sampling: A Comparison of Ernst's Method with Ohlsson's Method

Padraic Murphy and Reid Rottach
(U.S. Census Bureau)

Minimizing Duplication of Samples Drawn from Overlapping Frames of Multiple Surveys

Peter Kwok, Hee-Choon Shin, Colm O'Muircheartaigh, Whitney Murphy, Angela DeBello, and Kari Carris (NORC at the University of Chicago, USA) and Youlian Liao (Centers for Disease Control and Prevention, USA)

10:30–11 a.m.

Break

11 a.m.–12:30 p.m.

CONCURRENT SESSION X-A:

PRODUCING AND COMMUNICATING DATA AND STATISTICS

Chair: Jennifer Parker (National Center for Health Statistics, USA)

Metadata and Data Harmonization

Daniel Gillman
(Bureau of Labor Statistics, USA)

Innovative Uses of Data Mining Techniques in the Production of Official Statistics

Jaki McCarthy, Thomas Jacob, and Dale Atkinson (National Agricultural Statistics Service, USA)

An Innovative Approach to Web-Based Dissemination for Statistical Story Tellers

Andrew Herbert
(Space Time Research, Australia)

Benchmarking the Performance of Statistical Agencies

Marilyn Seastrom and Valena Plisko (National Center for Education Statistics, USA)

CONCURRENT SESSION X-B:

REDESIGNING LARGE-SCALE FEDERAL SURVEYS: CONNECTING TO THE PAST, ANTICIPATING THE FUTURE

Chair: Jonaki Bose (Substance Abuse and Mental Health Services Administration, USA)

Searching for Alternatives to a Random Digit Dial Telephone Interview

Chris Chapman and Andrew Zukerberg (National Center for Education Statistics, USA) and Mary Hagedorn (Westat, USA)

Redesigning the National Survey on Drug Use and Health

Joseph Gfroerer, Jonaki Bose, Dicy Painter, Mike Jones, and Joel Kennet (Substance Abuse and Mental Health Services Administration, USA)

Redesigning the National Crime Victimization Survey

Michael Rand (Bureau of Justice Statistics, USA)

Discussant: Jennifer Madans (National Center for Health Statistics, USA)

CONCURRENT SESSION X-C:

ADVANCES IN AGRICULTURAL FRAME DEVELOPMENT AND USE

Chair: William Iwig (National Agricultural Statistics Service, USA)

Utilizing an Alternative Sampling Frame to Produce Agricultural Survey Indications

Wendy Barboza and Mark Harris (National Agricultural Statistics Service, USA)

Four Digits or No-Digit Social Security Numbers—Impact on the National Agricultural Statistics Service Record Linkage Maintenance Processes

Denise Abreu, Kara Daniel, William Iwig, and Stan Hoge (National Agricultural Statistics Service, USA)

**Advances in Farm Register Development:
The Process to Building Up the 2010
Agricultural Pre-Census Frame**

Caterina Viviano and Giuseppe Garofalo
(Institute of National Statistics (ISTAT), Italy)

**Comparison of Methods for Updating
Census Based Estimates of Number of
Farms for Non-Census Years**

Michael Bellow (National Agricultural Statistics
Service, USA) and Phillip Kott (RTI
International, USA)

12:30–1:45 p.m.

Open Lunch

2-3:30 p.m.

CONCURRENT SESSION XI-A:

APPLICATIONS OF SAMPLING

Chair: Dale Atkinson (National Agricultural
Statistics Service, USA)

**Evolutionary Algorithms for Optimal
Sample Design**

Charles Day (Internal Revenue Service,
Statistics of Income Division, USA)

**Sample Size Formulas for Cluster
Randomized Trials Using Chi-Squared
Approximation with Continuity
Correction**

Majnu John and Madhu Mazumdar
(Weill Cornell Medical College, USA)

**Sampling from Discrete Distributions:
Application to An Editing Problem**

Lawrence Cox (National Center for Health
Statistics, USA) and Marco Better
(OptTek Systems, Inc., USA)

Discussant: Michael Cohen (Statistical Con-
sultant, NORC at the University of Chicago,
USA, and George Mason University, USA)

CONCURRENT SESSION XI-B:

INCOME AND THE BUSINESS CYCLE

Chair: Benjamin Bridgman
(Bureau of Economic Analysis, USA)

Sources of Earnings Volatility

Beethika Khan and David Beede
(U.S. Department of Commerce)

The Impact of a Rapid Recession on the Statistical Process

Pieter Vlag (Statistics Netherlands)

Government Policy Strategies over the Current Business Cycle: Should New Business Start-Ups or Existing Businesses Expansion Be Favored

Ting Zhang and David Stevens
(University of Baltimore, USA)

Discussant: John Ruser (Bureau of Labor Statistics, USA)

CONCURRENT SESSION XI-C:

EFFECTS OF QUESTIONNAIRE AND SURVEY DESIGN ON RECALL AND RESPONSE

Chair: David Kashihara (Agency for Healthcare and Quality Research, USA)

Establishment Respondents as Survey Managers: Using Survey Design Features to Empower Respondents to Find and Recruit Knowledgeable Company Personnel for Assistance

Alfred Tuttle (U.S. Census Bureau)

Using Negatively Framed Questions to Evaluate Nursing Home Care

Elizabeth Frentzel (American Institutes for Research, USA), Judith Sangl (Agency for Healthcare Research and Quality, USA), Julie Brown (Rand, USA), and Carol Cosenza (University of Baltimore, USA)

The Effects of Recall Length and Reporting Aids on Household Reporting of Health Care Events in the Medical Expenditure Panel Survey

Samuel Zuvekas (Agency for Healthcare Research and Quality, USA)

Regency Effect and Social Desirability Bias in the New Dutch Security Monitor

Thomas Kraan and Jan Van den Brakel
(Statistics Netherlands)

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Lodging: The conference will be held at the Walter E. Washington Convention Center. Lodging is at the Embassy Suites DC Convention Center Hotel, Washington, DC. Registrants are responsible for their own lodging arrangements. A conference rate of \$209 per day for single occupancy (\$234 for double), plus tax, is available until October 1, 2009. The Embassy Suites is just one and a half blocks from the Convention Center and minutes from the White House, Capitol, Smithsonian Institution, Kennedy Center, and other Washington attractions. The hotel is 5 miles from Reagan National Airport and 3 blocks from the Metro Center Metro stop (blue, orange, and red lines). The hotel offers valet parking. Reservations must be guaranteed by advance payment (credit card or traveler's check) on or before October 1, 2009. Reservations made after October 1 will be accepted on a space and rate available basis only. Make hotel reservations at the Embassy Suites DC Convention Center Hotel on the Internet at <http://embassysuites.hilton.com/en/es/groups/personalized/WASCCES-UVP-20091031/index.jhtml>. Also you can call or write the Reservations Manager, Embassy Suites DC Convention Center Hotel, 900 10th Street, NW, Washington, DC 20001 (202-842-0496) or 1-800-362-2779 (worldwide number). If you call or write be sure to mention the U.S. Census Bureau Code: UVP to get the conference rate.

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Direct all questions to Anna Holaus or Wanda Rivers, Conference Coordinators, Administrative and Customer Services Division, U.S. Census Bureau, 4600 Silver Hill Road, Room 3J247, Washington, DC 20233 (301-763-2308). Conference fees are nonrefundable after October 1, 2009.

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Early registration is encouraged.

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