

Plenary Session I

Introduction and Welcoming Remarks

Katherine Wallman
Cathryn Dippo

The Interplay between Research Innovation
and Federal Statistical Practice

Stephen Fienberg

*Session II-A Model-based Survey Estimation; Bayesian Statistical Methods and
Software*

Chair: Alan Dorfman

Small Area Estimates from the American Community Survey Using a Housing Unit Model
Nanak Chand, Donald Malec

Measuring the Number of People Without Health Insurance: A Test of a Synthetic Estimates Approach for Small Area Estimates Using SIPP Microdata

Carole Popoff, Dean Judson, Betsy Fadali

A New Approach to Hierarchical Bayes Modeling for Small Area Estimation with Surveys

Avinash Singh, R.E. Folsom, Jr.,
A. K. Vaish

Approximation Methods for Covariance Matrix Estimators Used in Analysis of Diary and Interview Data from the U.S. Consumer Expenditure Survey

John Eltinge, Amang Sukasih

Session II-B Data Mining, Data Warehousing and Metadata

Chair: David Banks

An NLP Approach for Improving Access to Statistical Information for the Masses

Elizabeth Liddy, Jennifer Liddy

The Reality of Metadata: Are Common Data Definitions Possible?

Renee Miller, Jacob Bournazian,
Dwight French, Marry Ellen Golby,
Perry Lindstrom, Louis Schloss

Studies of Metadata Creation and Usage

Carol Hert

Operations Research/Statistics Techniques:
A Key to Quantitative Data Mining

Jorge Romeu

*Session III-A Uses of Advanced Technologies for Data Collection, Processing and
Dissemination, Part I*

Chair: Stanley Freedman

Computer Audio Recorded Interviewing (CARI):
Additional Feasibility Efforts of Monitoring Field
Interview Performance

Deborah Herget, Paul Biemer,
Jeremy Morton, Kelly Sand

Scanning Technology Can Improve Time-Use
Studies

Patricia Donahue, Lynn Musser,
Thomas Slomba, Judy Hoovler, Tina
Kinney, Consuelo Bangs

Strategies to Implement Electronic Collection of
Multiple Worksite Report Data

Michael Searson

Formal Discussion

Martha Johnson

Session III-B Treatment of Missing Data
Chair: Stephen Cohen

Mass Imputation of Agricultural Economic Data
Missing by Design - A Simulation Study of Two
Regression Based Techniques

Matt Fetter

Automatic Interaction Detection for Imputation -
Tests with the WAID Software Package

Pasi Piela, Seppo Laaksonen

Raking Fire Data

Michael Greene, Linda Smith, Mark
Levenson, Signe Hiser, Jean Mah

Formal Discussion

Nathaniel Schenker

Session IV-A Uses of Advanced Technologies for Data Collection, Processing and
Dissemination, Part II
Chair: John Kavaliunas

Laying the Foundation for Electronic Dissemination: Louis Boucher
Statistics Canada=s Output Database, CANSIM II

Security Screening and Knowledge Management
in the Department of Defense

David Lloyd, Nancy Spruill

Usability Testing for the Energy Information
Administration=s Info-Centric Web Site

Colleen Blessing, Robert Rutchik,
Howard Bradsher-Fredrick, Herbert
Miller, Renee Miller

Developing Internet Dissemination in Step with
Client Expectations

Pamela Best

Session IV-B Improving Coverage and Response Rates

Chair: Clyde Tucker

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| Experiences with Incentives in a Public Attitudes Survey Using RDD | Ron Fecso |
| Are Late/Difficult Cases in Demographic Survey Interviews Worth the Effort?: A Review of Several Federal Surveys | Detis Duhart, Nancy Bates, Barbara Williams, Gregg Diffendal, Pei Lu Chiu |
| Evaluation of a Monetary Incentive Payment Experiment in the National Longitudinal Survey of Youth, 1997 Cohort | Michael Horrigan, Rupa Datta, James Walker |
| Incentive Effects Across Gender Groups in a Federal Survey on Sexual Behavior and Fertility | Robert Groves, William Mosher, Eleanor Singer |

Session V-A Confidentiality and Disclosure Issues in Data Release and Data Linkage, Part I

Chair: Sam Hawala

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| On Disclosure Protection for Nontraditional Statistical Outputs | Arnold Reznick, David Merrell |
| Methods for Data Directed Microaggregation in One or More Dimensions | Gordon Sande |
| Using Synthetic Data Sets to Satisfy Disclosure Restrictions | Jerome Reiter |
| A Disclosure Treatment Strategy of Public Use Micro Data Files Based Upon Optimal Sampling Design Considerations | A.C. Singh, Moshe Feder, George Dunteman, Feng Yu |

Session V-B Estimation and Variance Estimation

Chair: William Bell

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| A General Method for Estimating the Variances of X11-ARIMA Estimators | Luisa Burck, Michail Sverchkov |
| Design and Estimation Innovations in the Medical Expenditure Panel Survey for the Measurement of Health Care Quality and Expenditures | Steven Cohen |

Cross-Sectional Inference Based on Longitudinal Surveys: Some Experiences with Statistics Canada Surveys

Harold Mantel, Milorad Kovacevic, Owen Phillips, Georgia Roberts

Current Population Survey State-Level Variance Estimation

Richard Griffiths, Khandaker Mansur

Session VI-A Confidentiality and Disclosure Issues in Data Release and Data Linkage, Part 2

Chair: Arthur Kennickell

Balancing Confidentiality and Burden Concerns in Censuses and Surveys of Large Businesses

Elizabeth Nichols, Diane Willimack

Businesses= Perceptions of Confidentiality and Their Attitudes Towards Data Sharing Among Federal Statistical Agencies

Diane Willimack

Striking the Balance between Privacy and Production in Demographic Surveys: Implementation of the Respondent Identification Policy

Patricia Doyle, Nancy Bates, Gerald Gates

Formal Discussion

Eleanor Singer

Session VI-B Statistical uses of Administrative Records

Chair: Tom Petska

Changes in the Use of Education Administrative Records: The Common Core of Data

Lee Hoffman, Beth Young

Using Administrative Data in Lieu of Survey Responses for Small Businesses

Anthony Myers, David Kinyon, Carol King

The Assessment of Survey of Income and Program Participation (SIPP), Benefit Data Using Longitudinal Administrative Records

Kalman Rupp, Minh Huynh, James Sears

Formal Discussion

Fritz Scheuren

Session VII-A Internet and Other Forms of Data Collection

Chair: Kent Marquis

AESDirect - Internet Data Collection of U.S. Export

Charles Woods

Information

Social Presence in Web Surveys

Roger Tourangeau, Mick Couper,
Darby Steiger

Probability Based Internet Surveys: A Synopsis of
Early Methods and Survey Research Results

Vicki Huggins, Joe Eyeman

Formal Discussion

Tim Gabel

Session VII-B Sample Design and Estimation
Chair: Patrick Cantwell

Sample Size Considerations for Multilevel Surveys

Michael Cohen

Two-Sided Confidence Intervals for Small Proportions
Based on Survey Data

Phillip Kott, Per Gösta Andersson,
Olle Nerman

Formal Discussion

Stephen Haslett

Session VIII-A Issues in Geospatial Data Collection
Chair: Lester R. Curtin

Using Digital Geospatial Information to Locate Sample
Units in the Field

Sarah Nusser, Jean Fox

Geospatial Data Collection and Analysis as Crucial
Processes in an Integrated Census

Olivia Blum, Rinat Calvo

Evaluating the Use of Residential Mailing Addresses
in a Metropolitan Household Survey

Vincent Iannacchione, Jennifer
Staab, David Redden

Formal Discussion

Shoreh Elhami

Session VIII-B Cognitive Research and Usability Testing in Survey Processes
Chair: Roger Tourangeau

Optimizing Survey Measurement Accuracy by
Matching Question Design to Respondent
Memory Organization

Jon Krosnick, Michael Silver

Clarifying Survey Questions When Respondents
Don't Know They Need Clarification

Frederick Conrad, Michael Schober

Usability Methods for Designing a Computer-Assisted Data Collection Instrument for the CPI	Jean Fox
Building Usability into Electronic Data-Collection Forms for Economic Censuses and Surveys	Elizabeth Murphy, Elizabeth Nichols, Amy Anderson, M. Diane Harley, Kimberly Pressley
<i>Plenary Session IX</i>	
<i>Chair: Cynthia Clark</i>	
Federal Statistics: The ARight@ Balance between Accountability and Autonomy	Kenneth Prewitt
<i>Session X-A Data Quality and Nonsampling Error, Part 1</i>	
<i>Chair: Diane Willimack</i>	
Investigation of Selective Editing Procedures Using Quinquennial Data	Katherine Thompson, Susan Hostetter
Why Evaluate Business Data Collections?	Martin David
Classifying Open Ended Reports: Coding Occupation in the Current Population Survey	Frederick Conrad, Mick Couper
Using Respondent Requests for Help to Develop Quality Data Collection Instruments: The 2000 Census of Agriculture Content Test	Jaki McCarthy
<i>Session X-B New Approaches in Sample Design, Estimation and Record Linkage</i>	
<i>Chair: Pedro Saavedra</i>	
Changes in Sampling Units in Surveys of Businesses	Jock Black
Designing Samples to Satisfy Many Variance Constraints	Donna Glassbrenner
A Partial Order Approach to Record Linkage	Dean Judson
Formal Discussion:	Gary Shapiro
<i>Session XI-A Data Quality and Nonsampling Error, Part 2</i>	
<i>Chair: Nancy Kirkendall</i>	
Delivering and Measuring Data Quality in UK National Statistics	Marta Haworth, Jean Martin

Effects of the Level of Interviewer Effort on the Characteristics of Completed Responses: An Experiment Using the 1998 Survey of Small Business Finances

Marianne Bitler, John Wolken

The Quality Versus Timeliness Tradeoff in BLS ES-202 Administrative Statistics

Akbar Sadeghi, Richard Clayton

Formal Discussion

Daniel Kasprzyk

Session XI-B

Census and Survey Evaluation Methodologies

Chair: Kevin Cecco

Estimating Reliability and Bias from Reinterviews with Application to the 1998 Dress Rehearsal Race Question

Paul Biemer, Henry Woltman

Can We Ignore the Migration of Income Tax Nonfilers When Benchmarking the American Community Survey's County Estimates?

Yves Thibaudeau

The 2002 U.S. Census of Agriculture Data Processing System

Chadd Crouse, Kara Perritt

Formal Discussion

Charles Alexander