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# **Index**

## **of IRS Methodology Reports**

### **on Statistical Uses of Administrative Records**

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#### ***Special Studies in Federal Tax Statistics--2004***

Selected papers given primarily at the 2004 Annual Meetings of the American Statistical Association in Toronto, Ontario, Canada, and two other professional conferences--the Luxembourg Wealth Study Workshop in Perugia, Italy, and the Conference on Privacy in Statistical Databases in Barcelona, Spain. The volume is divided into five major sections. It begins with four papers on recent developments in Statistics of Income research. Section 2 includes five papers on quality assessment of administrative records data. Section 3 presents a paper on estimates of income and wealth from survey and tax data. Section 4 contains a paper on disclosure protection techniques. Finally, Section 5 presents a paper on some current theoretical research on multivariate analysis presented in a poster session at ASA.

#### ***Special Studies in Federal Tax Statistics--2003***

Selected papers given primarily at the 2003 Annual Meetings of the American Statistical Association in San Francisco, CA. The volume is divided into four major sections. It begins with four papers presented in the same session under the topic, "Are the Rich Getting Richer and the Poor Getting Poorer?" Section 2 includes a paper on survey methods. Section 3 presents five papers on new developments in tax statistics and administrative records. Finally, Section 4 contains a paper on survey nonresponse and imputation.

#### ***Special Studies in Federal Tax Statistics--2002***

Selected papers given primarily at the 2002 Annual Meetings of the American Statistical Association in New York City and at the 2002 National Tax Association Conference in Orlando, FL. The volume is divided into seven major sections. It begins with two papers on recent IRS research. Section 2 includes a group of four papers on methodological and analytical advances in tax statistics. Section 3 presents two papers on statistical uses of administrative records. Section 4 contains a paper on disseminating IRS locality data. Section 5 includes a paper on confidentiality and data access issues. Section 6 presents a paper on measuring the quality of IRS responses to taxpayer inquiries. Finally, Section 7 includes two papers on distributional theory and computation.

#### ***Special Studies in Federal Tax Statistics--2000-2001***

Selected papers given primarily at the 2000 and 2001 Annual Meetings of the American Statistical Association in Indianapolis, Indiana and Atlanta, Georgia, plus one other paper presented at the International Conference on Establishment Surveys II in Buffalo, New York in 2000. The volume is divided into four major sections. The book begins with five papers on statistical applications. Section 2 presents two papers on confidentiality and data access issues. Section 3 presents two papers on changing industry codes. Finally, Section 4 includes five papers on analyses of Federal tax and information returns.

#### ***Turning Administrative Systems Into Information Systems--1999***

Selected papers given at the 1999 Annual Meetings of the American Statistical Association (ASA) in Baltimore, MD. In addition, the report includes one paper presented at the 1998 ASA conference in Dallas, TX. The volume is divided into six major sections. The book begins with a complete ASA session analyzing administrative records from the U.S. tax system. It contains four papers, as well as a set of comments on the presentations. Section 2 presents four papers on the statistical uses of administrative records. Section 3 includes two papers, which focus on employee satisfaction and customer satisfaction surveys at the IRS. Section 4 contains two papers, one of which was presented

at the 1998 ASA conference, that provide an update on the Survey of Consumer Finances. Section 5 presents one paper that looks at the feasibility of preparing State corporate data by matching receipts and employment data by State and industry. Finally, the volume concludes with a paper on distributional theory and computation.

***Turning Administrative Systems Into Information Systems--1998-1999***

Selected papers given at the 1998 Annual Meetings of the American Statistical Association in Dallas, Texas. In addition, the report includes a session of papers presented in 1999 at the Annual Meetings of the American Economic Association (AEA) plus one other paper. The volume is divided into five major sections. The book begins with the AEA session in memory of the late Dr. Daniel B. Radner, Social Security Administration economist. It contains four papers on new empirical findings in the distributions of personal income and wealth, as well as two sets of introductory remarks and two sets of comments on the presentations. Section 2 presents two papers on data measurement and data bases for economic research. Section 3 includes two papers, which focus on sample design, estimation, and imputation research. Section 4 explores issues dealing with public-use files, including the potential for disclosure. Finally, Section 5 concludes the volume with a paper verifying the classification of public charities in the 1994 Statistics of Income Study Sample. (It is the only paper not presented at the ASA or AEA meetings.)

***Turning Administrative Systems Into Information Systems--1996-1997***

Selected papers given primarily at the 1996 and 1997 Annual Meetings of the American Statistical Association in Chicago, Illinois and Anaheim, California, plus one non-ASA article. The volume is divided into nine major sections. The book begins with a paper originally printed as a textbook article on inheritance and wealth in America. Section 2 presents papers on using administrative records for generating national statistics. Section 3 contains two sets of panel reports on the statistical uses of administrative records. Section 4 focuses on methodological research. Section 5 explores issues dealing with quality improvement in government. Section 6 presents a panel discussion on Customer Satisfaction Surveys. Section 7 focuses on the effect of downsizing on Federal statistics. Section 8 explores the privacy area. Finally, Section 9 concludes with seven papers on statistical disclosure limitation.

***Turning Administrative Systems Into Information Systems--1995***

Selected papers given primarily at the 1995 Annual Meetings of the American Statistical Association in Orlando, Florida and another conference. The volume is divided into five major sections. The book begins with a paper on SOI migration data, giving an example of how this unique dataset can be used by demographers and policy researchers. Section 2 presents papers on sample designs and redesigns, as well as on SOI efforts in the corporation and partnership areas. Section 3 contains papers on weighting and estimation research. Section 4 focuses on analytical approaches to quality improvement, from graphical techniques to cognitive research. Finally, Section 5 concludes with papers from an invited session on record linkage applications for health care policy, a session organized by SOI in view of its long-term interest in improving matching techniques for administrative and survey data.

***Turning Administrative Systems Into Information Systems--1994***

Selected papers given primarily at the 1994 Annual Meetings of the American Statistical Association in Toronto, Ontario, Canada. The volume is divided into nine major sections. The book begins with an overview of the Statistics of Income Programs, describing the origins and customers of various SOI data and highlighting our products and services. Section 2 presents the descriptive results from two recent studies--one on sales of capital assets and one on self-employed nonfilers. Section 3 contains papers and discussion from a session on privacy issues involved in using administrative record data. The next two sections are much more methodical in nature: Section 4 focuses on sample design and estimation work in SOI, beginning with a reprint of a 1963 paper by W. Edwards Deming, which presents an evaluation of the SOI sample. Section 5 presents data on record linkage. Section 6 draws together the

papers from a session on nonresponse in Federal surveys. Section 7 is a more statistical section, which contains a collection of papers on imputation methodology in a number of different arenas. Section 8 focuses on another long-time theme of these volumes--quality improvement efforts. Finally, Section 9 presents two unrelated papers on data preparation techniques.

***Turning Administrative Systems Into Information Systems--1993***

Selected papers given at the 1993 Annual Meetings of the American Statistical Association in San Francisco, California and other related conferences. The volume contains seven major sections, each focusing on a somewhat different area of research. The first section begins with a paper that presents a view for the future of the Federal statistical system. This effort is part of a dialogue with other agency leaders to redefine a cohesive plan for Federal data producers and users. Section 2 contains several descriptive papers based on tax data about individuals, and Section 3 looks at similar uses of tax data for businesses. Section 4 focuses on sample design issues for several SOI projects, while Section 5 presents information on improvements to analytical techniques. Finally, Sections 6 and 7 describe a number of different studies SOI is involved in to improve the quality and productivity of other areas of IRS.

***Turning Administrative Systems Into Information Systems--1991-1992***

Selected papers given mostly at the 1991 and 1992 Annual meetings of the American Statistical Association, held, respectively, in Atlanta, Georgia and Boston, Massachusetts. Papers chosen for this volume exemplify some of the basic changes that are occurring in the Statistics of Income program during the 1990's, including discussions of methodological improvements and applications currently under way in the U.S. Federal statistical community. The volume contains seven general areas of interest: information from tax return data; the 1989 Survey of Consumer Finances; estimation and methodological research in the SOI business program; sample design and weighting issues in the SOI individual program; some quality improvement applications; some technological innovations for SOI research; and a look to the future data needs for the Federal sector. Previous volumes in the series were called Statistics of Income and Related Administrative Record Research (see below). The title was changed to more clearly reflect how the Internal Revenue Service's Statistics of Income function is adapting to better meet the informational needs of its many customers.

***Statistics of Income and Related Administrative Record Research--1990***

Selected papers given primarily at the 1990 Annual meeting of the American Statistical Association in Anaheim, California. Papers selected for this volume contain discussions of methodological improvements and applications currently under way in the U.S. Federal statistical community. In particular, the focus is on work being done by the Statistics of Income Division of the Internal Revenue Service (IRS). The volume covers five general areas: longitudinal panel data and estimation issues; analytical research using survey and administrative data; design issues for Federal surveys; information on the conclusions of the Establishment Reporting Unit Match Study; and a look at future data needs for the Federal sector.

***Statistics of Income and Related Administrative Record Research--1988-1989***

Selected papers given mostly at the 1988 and 1989 Annual Meetings of the American Statistical Association in New Orleans, Louisiana and Washington, D.C., respectively. Papers for the volume focus on perspectives on statistics in government--in celebration of ASA's 150th anniversary; improvements in income and wealth estimation; methodological enhancements to administrative record data; some looks at the effects of tax reform; and technological innovations for statistical use.

***Statistics of Income and Related Administrative Record Research--1986-1987***

Selected papers given, for the most part, at the 1986 and 1987 Annual Meetings of American Statistical Association

in Chicago and San Francisco, respectively. Papers focus on ongoing wealth estimation research and U.S. and Canadian efforts regarding methodological enhancements to corporate and individual tax data and recent refinements to disclosure avoidance techniques.

***Record Linkage Techniques--1985\****

The Proceedings of the Workshop on Exact Matching Methodologies held in Arlington, Virginia, May 9-10, 1985. Includes landmark background papers on record linkage use and papers describing methodological enhancements, applications, and technological developments, as well as extensive bibliographic material on exact matching.

***Statistical Uses of Administrative Records: Recent Research and Present Prospects\****

A two-volume reference handbook on research results involving the use of administrative records for statistical purposes from 1979 through 1982:

- ❑ Volume I (March 1984) focuses on general considerations in administrative record research, applications of income tax data, uses based on data from other major administrative record systems, and enhancements to statistical systems using administrative data.
- ❑ Volume II (July 1984) focuses on comparability and quality issues, access to administrative records for statistical purposes, selected examples of end uses of linked administrative statistical systems, and a status report that sets goals for the future.

***Statistics of Income and Related Administrative Record Research--1984\****

Selected papers given at the 1984 Annual Meeting of American Statistical Association in Philadelphia. Papers focus on future policy issues, applications, exact matching techniques, quality control, missing data, and sample design issues.

***Statistics of Income and Related Administrative Record Research--1983\****

Selected papers given at the 1983 Annual Meeting of American Statistical Association in Toronto. Papers focus on use of administrative records in censuses and surveys, applications for epidemiologic research and other statistical purposes, and statistical techniques involving imputation and disclosure and confidentiality

***Statistics of Income and Related Administrative Record Research--1982\****

Selected papers given at the 1982 Annual Meeting of American Statistical Association in Cincinnati. Papers focus on statistical uses of administrative records, resulting methodologic advances, and estimates and projections for intercensal updates.

***Statistics of Income and Related Administrative Record Research\****

Selected papers given at the 1981 Annual Meeting of American Statistical Association in Detroit. Papers focus on applications and methodologies with an emphasis on IRS's Statistics of Income Program, the Small Business Data Base, nonprofit and pension data, and on Canada's Generalized Iterative Record Linkage System.

***Economic and Demographic Statistics\****

Selected papers given at the 1980 Annual Meeting of American Statistical Association in Houston. Papers focus on evaluation of the 1977 Economic Census, CPS hot deck techniques, and efforts to upgrade Social Security's Continuous Work History Sample.

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\*Out of print--Copies of selected papers can be obtained upon request.

NOTE: The IRS Methodology Reports on statistical uses of administrative records are now being offered free of charge. To obtain copies, write to:

Statistical Information Services (SIS)  
Statistics of Income Division (RAS:S:SS:SD)  
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