
FRITZ J. SCHEUREN, PH.D.

EDUCATION

Ph.D. (Mathematical Statistics) The George Washington University
M.A. (Statistics) The George Washington University
B.A. (English Literature) Tufts University

PROFESSIONAL EXPERIENCE

2001 to Present Vice President, Statistics, NORC at the University of Chicago

Dr. Scheuren joined NORC as a Vice-president for Statistics to work on a major effort just getting underway in late 2001 to help the Department of Interior with its handling of Individual Indian Money (IIM) Trust fund records. This effort has already yielded over a hundred NORC research reports. He is the overall editor in this series and a principal author. This job allows him to employ his considerable sampling and audit expertise in a setting where, as at IRS and SSA, there are extensive administrative records to draw on.

Following the 2000 Presidential Election NORC became increasingly involved in US Election measurement issues. Kirk Wolter took the early lead (Wolter et al. 2003) but since 2004 Dr. Scheuren has become very active, including *pro bono* exit polling in Albuquerque NM in 2004 and in Columbus OH in 2006, plus RDD efforts to strengthen exit polls in 2006 where Scheuren was the NORC Co-Project Director. The 2006 experience arose because NORC, as a public service, sponsored a telephone survey of eligible voters in two Ohio counties to determine whether they experienced any problems with the voting process. NORC also conducted a follow-up opinion poll regarding the late decision on a close House race, which enabled an estimate of the ignorable portion of the nonresponse from the first survey to be calculated. See the publications that are coming out of this work below.

Beginning in 2006, Dr. Scheuren became active in NORC's international work. Most of this was an extension of his *pro bono* work overseas on human rights that began much earlier (in 1995). This earlier work is detailed among his professional service activities and was the focus of his 2005 ASA Presidential speech (published in the March 2007 issue of the *Journal of the American Statistical Association*) He is currently directly involved in NORC project work with the Millennium Challenge Corporation (MCC). His MCC work involves overseas consulting to support US efforts to address our country's response to the Millennium Development Goals. The projects he works on are in Armenia, Georgia and Vanuatu. In Georgia he is the project director; elsewhere he provides senior technical statistical support.

Outside of NORC, he also advises on HIPAA privacy protection matters, as he remains heavily involved in privacy and confidentiality issues beginning with his days at IRS and SSA. He also engages outside of NORC in minor statistical business consulting efforts on occasion.

1999 to 2001 Senior Fellow, The Urban Institute

Dr. Scheuren was in overall charge of the Urban Institute's National Survey of America's Families (NSAF), part of the effort made to measure the impact of US welfare reform. In addition to his managerial duties he was also the editor and a principal author in the 1997 and 1999 NSAF Methodology Series (33 volumes). That survey was a major part of the Urban Institute's Assessing the New Federalism project, with nearly 300 publications on welfare reform and related issues. At the time his distribution of NSAF data and metadata won praise as an example of best practice among web-distributed statistical datasets. His 2005 keynote address at the Statistics Canada Methodology Conference on metadata and paradata builds directly on this experience.

1996 to 1999 National Technical Director and Principal, Statistical Sampling Economics Group, Ernst and Young, LLP (E&Y)

Dr. Scheuren was a Principal at Ernst and Young, working in the National Tax Division where his practice covered many state as well as federal taxation issues, including sales and use taxes. He had considerable representational experience before regulatory and legislative bodies, including the US Congress. His sample designs built extensively on existing client operating records and hence were very informative and economical.

1994 to 1996 Visiting Professor of Statistics, The George Washington University (GWU)

Professor Scheuren taught the entire sampling sequence while a visiting professor at The George Washington University, plus many service courses. While there he set up a graduate certificate program in survey research, which he still advises on. His extensive consulting eventually drew him away from full-time teaching. His consulting on tax issues, both audit and information issues, was what brought him to Ernst and Young.

1980 to 1994 Director, Statistics of Income Division, Internal Revenue Service (IRS)

As the long time Director of the Statistics of Income Division, Dr. Scheuren, using the ideas of Deming, completely transformed the organization. Its statistical activities, computer hardware and software, and customer focus were all modernized. His efforts mainly dealt with issues of national importance to the economy and he was recognized for this with the prestigious Shiskin Award in Economic Statistics (1995).

1973 to 1980 Chief Mathematical Statistician, Social Security Administration (SSA)

Dr. Scheuren, as the chief spokesperson at Social Security for statistical methodology, made major advances in the formulation and especially the delivery of statistical data to outside researchers and the public at large. His work included, among other matters, assessing the results of large-scale administrative and survey studies and occasionally the representation of the agency before Congress. He was to sponsor and participate in seminal work on the handling of missing data, including a role in the creation of multiple imputation (as described in the November 2005 *American Statistician*.)

RECENT PROFESSIONAL SERVICE ACTIVITIES

Human rights projects include US work with First Americans and in assuring fair and transparent elections. Overseas work includes Armenia, East Timor, Guatemala, Peru, Georgia, Russia, South Africa, Vanuatu, plus Kosovar refugees in Albania, Afghanistan refugees in Pakistan and Iraqi pollsters in Jordan and Turkey. Work on Darfur is being planned.

President, American Statistical Association, 2005

Member Board of Scientific Councilors, National Center for Health Statistics, 2003 to 2004.

Member Advisory Board for Evaluation of AmeriCorp Program, 2003 to 2006

Member, Committee on Scientific Freedom and Responsibility, American Association for the Advancement of Science, 2002 to 2007

Vice-President American Statistical Association, 1999 to 2001.

Scientific Secretary, International Association of Survey Statisticians, 1997 to 1999.

National Academy of Sciences, Applied and Theoretical Statistics, 1994 to 1997.

President, Washington Statistical Society, 1991 to 1992.

Associate Editor, *Journal of the American Statistical Association*, 1989 to 1996.
Associate Editor, *Survey Methodology*, 1986 to present.
Associate Editor, *Journal of Business and Economic Statistics*, 1983 to 1989.
Associate Editor, *The American Statistician*, 2003 to 2006.

Adjunct Professor of Statistics, The George Washington University, 1985 to present.
USDA Graduate School Statistics Advisory Board, 1989 to present.
Advisory Board Member, George Mason University Statistics Department, 1999 to 2007

HONORS

Distinguished George Washington University Alumni Achievement Award (2006)
American Immigration Lawyers Association Human Rights Award (2005);
Harry V. Roberts Statistical Advocate Award (2004);

Chartered Statistician, Royal Statistical Society (2003)
American Statistical Association Founders Award (1998);
Julius Shiskin Award for contributions to U.S. economic statistics (1995);

Finalist, Senior Executive Association Executive Excellence Award (1992);
Elected Member, the International Statistical Institute (1988);
Fellow, the American Association for the Advancement of Science (1984);
Fellow, the American Statistical Association (1981)

PUBLICATIONS

Over 251 applied and theoretical papers, monographs, and books focused on the sampling of operating records, survey design, process quality, auditing, and the handling of missing data. Submitted many reports orally and in writing before regulatory and judicial bodies, here in the United States and internationally. Some recent examples are –

“Statistics, a Pro Bono Obligation,” American Statistical Association 2005 Presidential Address (to appear in the *Journal of the American Statistical Association* (March 2007 issue of JASA) This paper deals heavily with what statisticians need to do to improve US elections.

“Explaining Discrepancies Between Official Votes and Exit Polls in the 2004 Presidential Election,” Spring 2007 issue of *Chance* (with S. Kyle and D. Samuelson) There is a Wiley book, with Wendy Alvey, now in preparation on Exit and RDD election polling, dedicated to the late Warren Mitofsky (To appear in the spring of 2008). There is also the website, currently being updated, on election system issues entitled, WWW.VOTINGSYSTEMS.US

Recent books include *Data Quality and Record Linkage Techniques* (Spring 2007) with Tom Herzog and Bill Winkler, *Human Rights and Statistics* (Fall 2007) with Jana Asher and David Banks (co-editors), and what may be a web book entitled *Presidential Statistical Papers: The First 100 ASA Presidents* (I was the 100th ASA President). This will appear in late 2008). Also still highly cited is web booklet *What is a Survey*, available at WWW.WHATISASURVEY.INFO