Media Experts List

The American Statistical Association (ASA) maintains a database of members with expertise in fields of statistical application who have volunteered to serve as sources of information for the media. The individuals on the list speak as experts in their fields, not as ASA spokespersons.

While we have provided a list of topics in an effort to help you find individuals easily, please note that these members are not subject experts, but have expertise in the statistical aspects of the topics listed. Many of the individuals on the list have experience working with media and can be relied on as resources for quotes, interviews, and background information.

Please note that the topic categories are fairly broad (and evolving), and we would recommend that you consult the expert bios in this document to determine if an individual meets your requirements.

The list continues to grow, and we will issue updates as they become available. If you have need of a resource in an area not reflected here, we will be happy to try to locate someone for you. Please contact the ASA’s public relations manager at (703) 684-1221.
ASA Media Experts List by Topic

<p>| Actuarial Science                          | Christopher Schmid  |
|                                          | Nozer Singpurwalla  |
|                                          | Richard Smith      |
|                                          | Hal Stern          |
|                                          | Peter Thall        |
| Affirmative Action / Discrimination      | Bioinformatics     |
| Arlene Ash                               | Terence Speed      |
| Joseph L. Gastwirth                      |                    |
| David Marker                             |                    |
| Marty Wells                              |                    |
| Aging                                    | Biological / Ecological Applications |
| Charles Hall                             | Bahman Shafii      |
| Mack Shelley                             |                    |
| AIDS                                     | Biometrics         |
| Jimmy Efird                              | Bahman Shafii      |
| Air Pollutants / Pollution               | Biopharm / Clinical trials |
| Douglas Nychka                           | Donald Berry       |
| Richard Smith                            | Scott Berry        |
| Barry Davis                              | Charles Davis      |
| Armando Garsd                            | Meleana Dunn       |
| Alzheimer's Disease                      | Susan Ellenberg    |
| Richard Kryscio                          | Scott Evans        |
| Animal Experimentation                   | Armando Garsd      |
| Armando Garsd                            | Bruce Levin        |
| Applications of Statistics in            | Thomas Louis       |
| Business &amp; Economics                     | John Robinson      |
| William Wei                              | Christopher Schmid |
| Astrophysics                             | Yu Shyr            |
| Christopher Genovese                     | Robert Starbuck    |
| Basic Statistics                         | Peter Thall        |
| Patrick Spagon                           | Janet Wittes       |
| Bayesian Statistics / Methods            | Biostatistics      |
| Brad Carlin                              | Donald Berry       |
| David Dunson                             | Brad Carlin        |
| Andrew Gelman                            | Barry Davis        |
| Valen Johnson                            | Charles Davis      |
| Michael Lavine                           | Meleana Dunn       |
| Thomas Louis                             | David Dunson       |
|                                          | Valen Johnson      |
|                                          | Richard Kryscio    |
|                                          | Peter Lachenbruch  |
|                                          | Christopher Schmid |</p>
<table>
<thead>
<tr>
<th>Topic</th>
<th>Authors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biotechnology</td>
<td>Yu Shyr, Peter Thall, Jessica Utts</td>
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<tr>
<td>Business</td>
<td>Meleana Dunn, Tom Fullerton, James Hess</td>
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<td>Cancer Treatment / Screening</td>
<td>Donald Berry, Karen Kafadar, Yu Shyr, Peter Thall</td>
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<td>Census</td>
<td>Malay Ghosh, Philip Stark, Marty Wells, Donald Ylvisaker</td>
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<td>Climate Change / Models</td>
<td>Philip Hanser, Douglas Nychka, Richard Smith</td>
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<tr>
<td>Clinical Trials</td>
<td>Mike Stoto</td>
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<tr>
<td>Coincidences &amp; Luck</td>
<td>Jessica Utts</td>
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<td>Comparative Effectiveness Research</td>
<td>Richard Kryscio, Lance Waller</td>
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<td>Computational Biology</td>
<td>Terence Speed</td>
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<td>Confidentiality</td>
<td>Jerome Reiter</td>
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<td>Consumer Expenditures</td>
<td>Thesia Garner</td>
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<td>Control Theory</td>
<td>James Spall</td>
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<td>Cost Effectiveness</td>
<td>Robert Obenchain</td>
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<td>Crime</td>
<td>Martin Wells</td>
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<td>Data Analysis / Mining / Monitoring</td>
<td>David Banks, Barry Davis, Karen Kafadar, Bruce Levin, John Robinson, Yu Shyr</td>
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<td>Decision Theory</td>
<td>Jeffrey Witmer</td>
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<td>Demography</td>
<td>David Swanson</td>
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<td>Disability</td>
<td>Andrew Houtenville, Joan Turek</td>
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<td>Disasters</td>
<td>David Swanson</td>
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<td>Discrimination</td>
<td>See Affirmation Action</td>
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<td>Disease Clusters</td>
<td>Richard Kryscio, Lance Waller</td>
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<td>Disease Ecology</td>
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<td>Drug Abuse</td>
<td>Susan Paddock</td>
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<td>Drug Regulation</td>
<td>See Medical Product Regulation</td>
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Drug Safety
Janet Wittes

Dynamic Treatment
Peter Thall

Ecology
Kent Holsinger
Michael Lavine

Economics / Economic Policy Analysis
Tom Fullerton
Thesia Garner

Education
Scott Evans
Valen Johnson
Daniel Mundfrom
Jerome Reiter
Jessica Utts

Elections / Voting Behavior
Arlene Ash
David Banks
Andrew Gelman
David Marker
Mack Shelley
Philip Stark

Employment / Unemployment Trends
Tom Fullerton
Michael Levine

Energy
Philip Hanser

Environmental Issues
Michael Lavine
Walter Piezorsch
C. Shane Reese
Don Stevens
Lance Waller

Environmetrics
Peter Guttorp
Walter Piezorsch

Epidemics
Richard Kryscio

Epidemiology
Donald Berry
David Dunson
Jimmy Efird
Armando Garsd
Charles Hall
Jessica Utts
Lance Waller
Martin Wells

Evaluation Methods in Public Health
Mike Stoto

Evidence-Based Medicine
John Robinson
Steve Simon

Experimental Design
James Hess
Bahman Shafii
Patrick Spagon

FDA Studies
Armando Garsd

Finance
Michael Levine
Edward Melnick

Forecasting
Edward Melnick

Forensic Sciences / Applications / Analysis
Karen Kafadar
David Peterson
Bruce Weir
Martin Wells

Function Estimation
Christopher Genovese
Michael Levine
Gambling / Wagering
Donald Berry
Brad Carlin
Mark Glickman

Genetics / Genetic Testing
Donald Berry
Kent Holsinger
Terence Speed
Bruce Weir

Genomics
Thomas Louis
Martin Wells

Geostatistics
William Harper

Global Warming
See Climate Change

Health / Health Care Policy / Quality
Arlene Ash
Jimmy Efird
A. Blanton Godfrey
Carl Morris
Susan Paddock

Health Services / Medicine
Arlene Ash
David Banks
Mark Glickman
Thomas Louis
Carl Morris
Susan Paddock
Jessica Utts
Martin Wells

History of Statistics
Walter Piegorsch

Homelessness
David Marker

Human Papilloma Virus (HPV)
Jimmy Efird

Human Rights
David Banks

Human Rights – Ethical Aspects
John Gardenier

Income Measurement
Thesia Garner
Joan Turek

Industrial Statistics
James Hess

Institutional Review Boards
Jimmy Efird

Instrument Development
Daniel Mundfrom

Interim Analysis
Janet Wittes

Internet Filtering / Pornography
Philip Stark

Internet Traffic Data
Karen Kafadar

Iraqi War Deaths
David Marker

Juvenile Crime / Juvenile Justice Law
Howard Snyder

Law / Litigation
Joseph Gastwirth
Bruce Levin
David Peterson
Philip Stark
Martin Wells
Donald Ylvisaker

Lean Manufacturing
James Hess

Likelihood Analysis
Bruce Levin
Lotteries
Mark Glickman
Jessica Utts
Donald Ylvisaker
Managed Care
John Robinson

Mathematical Modeling / Estimation / Algorithms
James Spall

Medical Diagnostic Tests
Steve Simon

Medical Product Regulation
Susan Ellenberg
Peter Lachenbruch

Medical Product Safety
Susan Ellenberg
Peter Lachenbruch
Martin Wells

Medicare
Susan Paddock

Mental Health
Susan Paddock

Meta-Analysis
Christopher Schmid
Martin Wells

Multinational Studies
Armando Garsd

Native American / Alaska Native Health and Disability
Michele Connolly

Neuroimaging
Christopher Genovese

Neurophysiology

Michael Lavine
Nonlinear Modeling
Bahman Shafii

Nonparametric Inference
David Dunson
Christopher Genovese
Michael Lavine
Michael Levine

Nonrandomized Observational Studies
Robert Obenchain

Oil & Gas Pipeline Risk Assessment
William Harper

Optimization
James Spall

Ordinal Data Monitoring
Valen Johnson

Parapsychology & Psychic Phenomena
Jessica Utts

Pediatric Research
Steve Simon

Peer Review Systems
Valen Johnson

Performance Measurement
Mike Stoto

Pharmaceutical Industry
Meleana Dunn
Robert Obenchain

Physical / Engineering / Life Sciences
Karen Kafadar

Political Redistricting
David Peterson

Physical Science
Philip Stark
Polling
Mack Shelley

Population
David Swanson

Poverty
Thesia Garner
Joan Turek

Primary Treatment Trials
Richard Kryscio

Privacy
Jerome Reiter

Program Evaluation
Daniel Mundfrom
Mack Shelley

Public Health Surveillance
Mike Stoto

Public Opinion
Andrew Gelman

Public Policy
Joseph L. Gastwirth

Quality Improvement / Management
A. Blanton Godfrey
David Marker
Patrick Spagon

Regression Analysis
James Hess

Reliability Analysis
Valen Johnson
C. Shane Reese
Nozer Singpurwalla

Reproductive Studies / Epidemiology
David Dunson
Bruce Levin

Research Ethics
John Gardenier
Steve Simon

Rheumatology
Peter Lachenbruch

Risk – Financial & Insurance
Richard Smith

Risk / Risk Analysis / Assessment
David Banks
Thomas Louis
Edward Melnick
Walter Piegorsch
Nozer Singpurwalla

Robustness & Sensitivity
Robert Obenchain

Roles for Statisticians in Promoting Fair and Accurate Elections
John Gardenier

Screening Test Accuracy
Joseph Gastwirth

Simulation
William Harper

Six Sigma
A. Blanton Godfrey
Patrick Spagon

Social Science Application of Statistical Methods
Daniel Mundfrom
Mack Shelley
Martin Wells

Space-Time Statistics
Peter Guttorp
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<thead>
<tr>
<th>Category</th>
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<td>Spatial Statistics</td>
<td>Brad Carlin</td>
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<td>Lance Waller</td>
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<td>Sports / Olympics</td>
<td>Scott Berry</td>
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<td>Hal Stern</td>
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<td>Bahman Shafii</td>
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<td>Jerome Reiter</td>
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<td>Walter Piegorsch</td>
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<td>Jessica Utts</td>
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<td>Statistical Ethics</td>
<td>William Wei</td>
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<td>Jeffrey Witmer</td>
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<td>Stochastic Processes in Geosciences &amp; Hematology</td>
<td>Peter Guttorp</td>
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<td>Strategic Planning / Management</td>
<td>A. Blanton Godfrey</td>
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<td>Systematic Reviews / Meta-Analysis</td>
<td>Mike Stoto</td>
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<td>Terrorism</td>
<td>David Banks</td>
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<td>Time Series Analysis &amp; Forecasting</td>
<td>Edward Melnick</td>
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<td>Richard Smith</td>
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<td>William Wei</td>
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<td>Transportation (airline, autos, etc.)</td>
<td>David Banks</td>
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<td>Donald Ylvisaker</td>
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</tbody>
</table>
Alphabetical Listing of ASA Media Experts

Arlene Ash
Professor and Chief
Division of Biostatistics and Health Services Research
Department of Quantitative Health Sciences
University of Massachusetts Medical School

Contact Information
508-856-8922 (direct)
508-856-8999 (department)
arlene.ash@umassmed.edu

Areas of Expertise
Affirmative Action/Discrimination • Elections/voting behavior • Health Policy • Health Services/Medicine

Brief Biography
Research Professor at Boston University in the Schools of Medicine and Public Health. Vice-Chair of ASA’s Committee on Scientific and Public Affairs and Chair of its subcommittee on Electoral Integrity. Testified in numerous hearings and trials, on topics including: health care payment reform (US House Ways and Means Comm, government of Germany); integrity of US elections (absentee ballot irregularities in Florida’s presidential election 2000), discrimination in pay (Massachusetts state and community college system). Most recently I have worked to develop guidelines for best practices in election audits and have two forthcoming papers (2008) on electoral integrity issues. Dr. Ash’s work in health risk assessment received AcademyHealth’s 2008 Health Services Research Impact Award.

Education
PhD (Statistics within Mathematics), University of Illinois at Chicago Circle, 1977
MS (Mathematics), Washington University, St. Louis, MO, 1972.
BA (Mathematics), Harvard University, cum laude, 1967.

Selected Publications

**David Banks**  
Professor  
Department of Statistical Science  
Duke University

**Contact Information**  
919-684-3743  
banks@stat.duke.edu

**Areas of Expertise**  
Risk analysis, in the context of terrorism, drug safety, transportation, & dog attacks • Social network applications • General data mining

**Brief Biography**  
Banks worked at four universities (Berkeley, Cambridge, Carnegie Mellon and Duke) and three federal agencies (National Institute of Standards and Technology, Department of Transportation, the Food and Drug Administration). His research areas tend to focus on computer-intensive methodology, with applications in data mining, some bioinformatics, various kinds of networks (social, computer, Internet), and the analysis of human rights data. Most recently, he has gotten involved with risk analysis, especially in the context of terrorism. Banks is currently the Coordinating Editor of the Journal of the American Statistical Association, a member-elect of the ASA Board, and he serves on two National Academies panels that advise the Department of Homeland Security, one panel that advises the Environmental Protection Agency, and a minor panel for the National Center of Educational Statistics. He is actively involved in various programs at the Statistical and Applied Mathematical Sciences Institute and the National Institute of Statistical Sciences.

**Education**  
Ph.D. (Statistics) Virginia Tech, 1984  
MS (Statistics) & MS (Mathematics) Virginia Tech, 1980 and 1982  
BS/BA (Math and Anthropology) University of Virginia, 1977

**Selected Publications**  

Everitt, to appear.  
Donald Berry
Head, Division of Quantitative Sciences, & Chair, Department of Biostatistics
& Frank T. McGraw Memorial Chair of Cancer Research
University of Texas M. D. Anderson Cancer Center, Houston, Texas
Contact Information
713-794-4141
dberry@mdanderson.org
Areas of Expertise
Biostatistics & Clinical trials • Cancer treatment, screening and prevention • Epidemiology • Genetics • Gambling
Brief Biography
Donald Berry serves as the faculty statistician on the Breast Cancer Committee of the Cancer and Leukemia Group B (CALGB), a national oncology group. Through Berry Consultants, LLC he has consulted with many pharmaceutical and medical device companies on clinical trial design and analysis issues. He is well known as a developer of adaptive designs that minimize sample size while having a greater chance of detecting true signals of drug activity, efficiently using information that accrues over the course of the trial. He is also co-developer (with Giovanni Parmigiani) of BRCAPRO, a widely used program that provides individuals’ probabilities of carrying mutations of breast and ovarian cancer susceptibility genes BRCA1 and BRCA2. Dr. Berry previously served on the faculty at the University of Minnesota and at Duke University, where he held the Edger Thompson Professorship in the College of Arts and Sciences. He is the author of more than 250 published articles as well as several books on biostatistics. In the last two years he has had first-authored publications in the New England Journal of Medicine, the Journal of the American Medical Association, and Nature Reviews Drug Discovery, and two senior-authored articles in the New England Journal of Medicine. Dr. Berry has been the principal investigator for numerous medical research programs funded by the National Institutes of Health, the National Cancer Institute, and the National Science Foundation. He is a Fellow of the American Statistical Association and of the Institute of Mathematical Statistics. For more info about Dr. Berry, please visit http://www.mdanderson.org/departments/biostats/display.cfm?id=41d907f0-ebda-4b0d-8ad4923d7fdd4ab2&pn=6832b127-872e-4f70-8a72649501265c63&method=displayfull
Education
Ph.D. (Statistics), Yale University, 1971
M.A. (Statistics), Yale University, 1967
A.B. (Mathematics), Dartmouth College, 1965
Selected publications

Scott Berry
Statistical Scientist
President, Berry Consultants
College Station, Texas
Contact information
979-690-1242
scott@berryconsultants.com

Areas of Expertise
Sports • Clinical trials

Brief Biography
Scott Berry is a Statistical Scientist and President of Berry Consultants. Scott is an expert in the design and analysis of clinical trials, specializing in Bayesian and Adaptive Clinical Trial design. He has established himself as an expert in statistics analysis in sports with publications in a Statistics Journals as well as ESPN the Magazine.

Education
PhD Statistics, Carnegie Mellon University, 1994
MS Statistics, Carnegie Mellon University, 1991
BS Mathematics, University of Minnesota, 1990

Brad Carlin
Mayo Professor of Public Health
Professor of Biostatistics
School of Public Health
University of Minnesota
Contact Information
612-624-6646
carli002@umn.edu
brad@biostat.umn.edu

Areas/Topics of Expertise
Bayesian statistics • Spatial statistics • Sports statistics, particularly related to wagering

Brief Biography
Brad Carlin’s research interests include statistical applications in AIDS research, spatial disease mapping, longitudinal studies, and the development of hierarchical Bayes methods for such projects, especially techniques that take advantage of modern computing power. In addition to his two textbooks (Bayes and Empirical Bayes Methods for Data Analysis, coauthored with Tom Louis, and Hierarchical Modeling and Analysis for Spatial Data, coauthored with Sudipto Banerjee and Alan Gelfand) he has published more than 100 papers in refereed books and journals. In 2000, he was presented with the American Public Health Association's Mortimer Speigelman Award, presented for outstanding contributions in health statistics by a statistician under age 40. He was also the 2001-02 Myrto Media Experts – April 2014 Page 12
Lefkopoulos Distinguished Lecturer, which recognizes statistical contributions to medicine or health and excellence in teaching, and the 2002 (inaugural) winner of the International Environmetric Society (TIES) Abdel El-Shaarawi Young Researcher's Award, given to an environmental statistician under age 40. Most recently, he has been named editor-in-chief of Bayesian Analysis, the official journal of the International Society for Bayesian Analysis (ISBA). For more information on Professor Carlin, please visit www.biostat.umn.edu/~brad/.

**Education**

Ph.D. (Statistics), University of Connecticut, May 1989  
Major Areas: Bayes and empirical Bayes methodology and applications  
M.S. (Statistics), University of Connecticut, December 1986  
Attained Associateship, Society of Actuaries, May 1985  
B.S. (Mathematics and Actuarial Science), magna cum laude, University of Nebraska, May 1984

**Selected publications**


**Michele J. Connolly**

President, Sweetgrass Consulting  
Columbia MD

**Contact Information**

410-997-5921  
michelebabb@verizon.net

**Areas of Expertise**

American Indian/Alaska Native Health and Disability

**Brief Biography**

Michele Connolly, recently retired from the Federal government, is President of Sweetgrass Consulting in Columbia, Maryland, which specializes in health and disability issues facing American Indians and Alaska Natives. Ms. Connolly is an enrolled member of the Blackfeet Tribe of Montana and one of a handful of American Indian statisticians. She is recognized as an expert in disability policy and measurement for American Indians and Alaska Natives and for the entire population. During her federal career, she also served as an expert in aging and in health care and financing. While at the Social Security Administration, she was elected as National Chair of the American Indian Alaska Native Advisory Committee where she was involved in efforts to address the unique cultural factors and legal
status of American Indians and Alaska Natives in service and outreach. For example, she was instrumental in developing the campaign to provide extra help for American Indians and Alaska Natives eligible for Part D Medicare drug benefits. Ms. Connolly was selected as the United States expert on the health and disability of American Indians and Alaska Natives at the Small and Indigenous Population Conference, sponsored by the International Association of Official Statistics in Wellington, New Zealand. She was (under the name of Michele Adler) a member of numerous health care and welfare reform initiatives, including Hillary Clinton’s Health Care Reform. Under Ms. Connolly’s direction, the first and only national disability survey was designed, developed, and implemented – the National Health Interview Survey Supplement on Disability. She also led efforts to include disability items to other national surveys (e.g. the Survey of Income and Program Participation and the 1990 and 2000 decennial Censuses).

Education
M.P.H. (Biostatistics), University of California, Berkeley
B.S. (physics), University of San Francisco

Selected publications
“Analyses of Long-Term Care, Health Insurance, and Mental Illness”; Internal Papers prepared for the White House Health Care Reform Effort; Clinton Presidential Library, 1993.
“Estimates of Disability and Long-Term Care among the U.S. Population; ASPE Research Notes; 1995.

Barry R. Davis, M.D., Ph.D.
John W. Rockwell Professor in Public Health
Professor of Biostatistics
Director, Coordinating Center for Clinical Trials
The University of Texas School of Public Health

Contact Information
713-500-9515 (Office), 713-500-9562 (Assistant)
barry.r.davis@uth.tmc.edu

Areas/Topics of Expertise
Biostatistics and Clinical Trials • Data Monitoring Committees • Hypertension • Pharmacogenetics

Biography
Dr. Davis was the Principal Investigator and Director of the Antihypertensive and Lipid-Lowering Treatment to Prevent Heart Attack Trial, the world’s’ largest hypertension trial. Recently he served as Executive Director of Biostatistics at Amgen, the world’s largest biotechnology company. From 2003 to 2006 he was Director of the Division of Biostatistics at the University of Texas School of Public Health. He has served a leading role in Coordinating Centers, Steering Committees and Data and Safety Monitoring Boards for over 50 clinical trials in heart disease, eye disease, cancer, diabetes, dental
disease, neurological disease, and gastrointestinal disease. Dr. Davis’ research has focused on designing, conducting and analyzing clinical trials. He has published extensively in both statistical and medical journals, on topics including data monitoring, clinical trial designs, pharmacogenetics, subgroup analyses, hypertension, and heart failure. He is a Fellow of the American Statistical Association, the Society for Clinical Trials, the American Heart Association Council on Epidemiology and Prevention, and the American College of Preventive Medicine. Dr. Davis received the University of Texas Health Science Center at Houston President’s Scholar Award for Research in 2004.

**Education:**
PhD, ScM (Applied Mathematics), Brown University  
MD, University of California, San Diego School of Medicine  
BS (Life Sciences), Massachusetts Institute of Technology

**Selected Publications**


**Charles S. Davis**  
President  
CSD Biostatistics, Inc.

**Contact Information**  
858-794-0690  
chuck@csdbiostat.com

**Areas of Expertise**  
Biostatistics • Clinical Trials

**Brief Biography**  
Dr. Davis is a statistical consultant in San Diego, where he has provided biostatistical expertise in support of medical product development since December, 2005. Previously, he served as Vice President, Biometrics, at Elan Pharmaceuticals in San Diego. Prior to joining Elan in the fall of 2001, he was Assistant Professor (1987-1991), Associate Professor (1991-1996), and Professor (1996-2001) of Biostatistics at the University of Iowa. While at the University of Iowa, Dr. Davis consulted for a number of pharmaceutical companies and government organizations. He is a Fellow of the American Statistical Association. He has served as the Chair of the ASA Biometrics Section (2000-2001) and as associate editor of *Controlled Clinical Trials* (1994-1998) and *The American Statistician* (2001-2005). He has authored and co-authored more than 80 peer-reviewed papers in statistical and medical journals. Media Experts – April 2014 Page 15
Education
Ph.D. (Biostatistics), The University of Michigan, Ann Arbor, MI, 1987

Selected publications

Meleana E. Dunn
Senior Manager Biostatistics
Amgen Inc.

Contact Information
805-447-9272
mdunn@amgen.com

Areas of Expertise
Statistics • Clinical Trials • Pharmaceutical/Biotechnology industries

Brief Biography
Dunn has been working in the Pharmaceutical/Biotechnology industries for the last 11 years as a Statistician. She designs and analyze data from Clinical Trials. After recently completing her MBA, with a major in Finance, she also has studied Risk Management, which incorporates both of her areas of interest- Finance and Statistics.

Education
M.S. Biostatistics
MBA- Finance major

David B. Dunson
Department of Statistics
Duke University

Contact Information
919-260-6615
dunson@stat.duke.edu
**Areas of Expertise**  
Bayesian statistics • Biostatistics • Epidemiology methods • Nonparametric Bayes • Reproductive studies

**Brief Biography**  
David Dunson received his PhD in Biostatistics in 1997 and has worked at the National Institute of Environmental Health Sciences for the past 10 years. Dr. Dunson’s research focuses on the development of innovative Bayesian statistical methods motivated by data from biomedical studies, with a particular emphasis on epidemiologic and reproductive studies. He has made broad contributions to methods for analysis of correlated, multivariate and functional data, particularly in the areas of latent variable analysis, survival analysis, model selection and nonparametric statistics. Dr. Dunson has published over 100 articles, with most of these in leading statistical journals. He routinely gives invited talks at national and international conferences. Dr. Dunson is a fellow of the American Statistical Association, is the winner of the Mortimer Spiegelman award for the top public health statistician under 40, and recently won an Environmental Protection Agency gold medal for outstanding service. He is an adjunct professor in the Department of Statistical Science at Duke University and in the Department of Biostatistics at the University of North Carolina at Chapel Hill.

**Education**  
B.S. (Mathematics) Penn State University, 1994  
PhD (Biostatistics) Emory University, 1997

**Selected publications**  

**Jimmy Thomas Efird**  
Director, Biostatistics and Data Management Facility, JABSOM  
Director, Shared Resources, Hawaii Export Program, DNHH  
Director, APITMID Research Core  
John A. Burns School of Medicine  
Honolulu, Hawaii

**Contact Information**  
650-248-8282  
Jimmy.efird@stanfordalumni.org

**Areas/Topics of Expertise**  
AIDS • Human Papilloma Virus (HPV) • Epidemiology issues • Institutional Review Boards (IRB) • Health Policy Media Experts – April 2014 Page 17
**Brief Biography**

Jimmy T. Efird, Ph.D., a graduate of Stanford University School of Medicine, holds advanced degrees in both epidemiology and mathematical statistics. He has more than 20 years of experience in biomedical research and pharmaceutical development and has approximately 60 peer-reviewed publications. Dr. Efird currently is Director of the Biostatistics and Data Management Facility at John A. Burns School of Medicine in Honolulu, HI and has held positions at UCSF School of Medicine, Roche Global Development, and Massachusetts General Hospital.

**Education**

Ph.D. (Epidemiology), Stanford University School of Medicine  
M.Sc. (Statistics), California State University East Bay  
B.A. (Psychology), UCLA

**Selected publications**


**Susan S. Ellenberg, Ph.D.**

Professor of Biostatistics  
Center for Clinical Epidemiology and Biostatistics and  
Associate Dean for Clinical Research  
University of Pennsylvania School of Medicine

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**Areas/Topics of Expertise**

Clinical trials • Medical product safety

**Biography**

Dr. Ellenberg she serves as senior statistician for two multi-center clinical trials in the area of sleep research, and directs the Biostatistics Core of the Penn Center for AIDS Research. From 1993 to 2004 she served as Director, Office of Biostatistics and Epidemiology in the Center for Biologics Evaluation and Research Media Experts – April 2014 Page 18
(CBER) at the U.S. Food and Drug Administration; prior to that she served as the first Chief of
the Biostatistics Research Branch in the Division of AIDS, National Institute of Allergy and
Infectious Diseases (1988-1993), and served in the Biometric Research Branch in the Cancer
Therapy Evaluation Program, National Cancer Institute (1982-1988). During Dr. Ellenberg’s
tenure at FDA she played a leading role in the development of international standards for design
and analysis of clinical trials performed by the pharmaceutical industry, developed productive
programs for postmarketing safety surveillance of biological products, and coordinated the
development of policy for the establishment and operation of clinical trial data monitoring
committees. Dr. Ellenberg’s research has focused on practical problems in designing, conducting
and analyzing data from clinical trials. She has published extensively in both statistical and
medical journals, on topics including surrogate endpoints, data monitoring committees, clinical
trial designs, adverse event monitoring, vaccine safety and special issues in cancer and AIDS
trials. She is a Fellow of the American Statistical Association, the Society for Clinical Trials and
the American Association for the Advancement of Science, and is an elected member of the
International Statistical Institute. Her book, Data Monitoring Committees in Clinical Trials: A
Practical Perspective, co-authored with Drs. Thomas Fleming and David DeMets, was named
WileyEurope Statistics Book of the Year for 2002.

Education:
Ph.D. (Mathematical Statistics), George Washington University
A.B. Radcliffe College

Selected Publications


Scott Evans
Senior Research Scientist
Department of Biostatistics
Harvard University

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617-432-2998
evans@sdac.harvard.edu

Areas of Expertise
Clinical Trials • Sports • Statistics Education

Brief Biography
Scott Evans is a senior researcher and faculty member at Harvard University. Dr. Evans is a Special Government Employee (SGE) of the FDA, serving on the Advisory Committee for
CDRH and as a consultant for CDER. He serves on numerous Data Monitoring Committees including as Chair of the Media Experts – April 2014 Page 19
Adolescent Medicine Trials Network (ATN), serves on several scientific advisory boards, serves on the Human Subjects Committee (Institutional Review Board) of the Harvard School of Public Health, and has served as an expert witness for the Commonwealth of Massachusetts. Dr. Evans is the Principal Investigator (PI) of the Statistical and Data Management Center of the Neurologic AIDS Research Consortium (NARC, funded by NIH/NINDS) and the Oral HIV/AIDS Research Alliance (OHARA, funded by NIH/NIDCR). Dr. Evans is the Deputy Scientific Director of the Program for Quantitative Sciences in Medicine in the Department of Biostatistics at Harvard University. Dr. Evans was recently awarded the "Robert Zackin Distinguished Collaborative Statistician Award" for significant statistical contributions to HIV research, received a Recognition Award for contributions of statistical expertise from the Harvard School of Public Health, received a Distinguished Service Award from the Council of Chapters of the American Statistical Association, received a Meritorious Outstanding Contributor Award from the Biopharmaceutical Applied Statistics Symposium (BASS), and was inducted as a faculty member into Mu Sigma Rho, the National Honorary Society for Statistics.

**Education**

Ph.D. (Biostatistics)  
M.S. (Mathematics)

**Selected publications**


**Tom Fullerton**  
Professor & Trade in the Americas Chair  
Department of Economics & Finance  
University of Texas at El Paso

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**Areas of Expertise**

Regional Economics • International Economics • Business Cycle Fluctuations • Employment & Unemployment Trends • Economic Policy Analysis

**Brief Biography** Media Experts – April 2014 Page 20
In addition to conducting research on borderplex business conditions, Dr. Fullerton teaches graduate and undergraduate courses in econometrics, managerial economics, urban economics, business forecasting, Latin American political economy, border economics, and international country risk analysis. A native of Ft. Worth, Fullerton attended grade school in Latin America. Prior to joining UTEP, Fullerton was Senior Economist at the University of Florida Bureau of Economic & Business Research. Before moving to Florida, Fullerton was an International Economist with Wharton Econometrics in Philadelphia. At that post, he was in charge of modeling, forecasting, and policy analysis for the South American economies of Colombia, Ecuador, and Venezuela. Fullerton has also worked as an Economist in the Executive Office of the Governor of Idaho, where he forecast the state economy and conducted fiscal policy analysis during legislative sessions. His professional career began as an Associate Economist in the corporate planning department of El Paso Electric Company. Fullerton has taught as a Visiting Professor at Helsinki School of Economics in Finland, Monterrey Institute of Technology in Mexico, Colegio de la Frontera Norte in Tijuana, and Universidad Autónoma de Ciudad Juárez. His analysis has been cited in articles appearing in Wall Street Journal, New York Times, Barron’s, USA Today, Investor’s Business Daily, and U.S. News & World Report. He has also appeared on national newscasts aired by ABC, CNN, and The News Hour with Jim Lehrer on PBS. Dr. Fullerton’s research has been published in academic journals in North America, Europe, South America, Asia, Africa, and Australia.

Education
Ph.D. (Economics), University of Florida, 1996
M.A. (Business Economics) University of Pennsylvania, December 1988
M.S. (Economics) Iowa State University, December 1984
B.B.A. (Economics, Finance) University of Texas at El Paso, December 1981

Selected Publications

John S. Gardenier
Retired
National Center for Health Statistics
Centers for Disease Control and Prevention

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703-319-3981
drgarden@verizon.net
Areas of Expertise
Statistical Ethics • Research Ethics • Roles for Statisticians in Promoting Fair and Accurate Elections • Ethical Aspects of Human Rights

Brief Biography
Naval Intelligence Officer, 1960-1986 Commander, USN (Retired)
Operations Analyst, U.S. Coast Guard, 1970-1990
Consultant in Risk Management of Offshore Technologies, 1974
Adj. Assoc. Prof., George Washington U; Professorial Lecturer, American U
Survey Statistician, National Center for Health Statistics, 1990-2003
Chair, Am. Statistical Assn Committee on Professional Ethics, 1996-1999

Education
DBA, George Washington University, 1973
BA, Yale University, 1959

Selected publications
"Data Integrity is Earned, Not Given” (June, 2011) Office of Research Integrity Newsletter. Washington, DC: Department of Health and Human Services.
“Best Statistical Practices to Promote Research Integrity,” Professional Ethics Review, American Association for the Advancement of Science XVI:1 Winter 2003
Ethics Committee Chairman (and Lead Editor,) Ethical Guidelines for Statistical Practice American Statistical Association, 1999
“Risk Management – Statistical Aspects of” Encyclopedia of Statistical Sciences
John Wiley & Sons, 1988

Thesia I. Garner
Senior Research Economist
Bureau of Labor Statistics

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Areas of Expertise
Clinical trials • Medical product regulation • Medical product safety • Vaccines/Vaccine Safety
**Brief Biography**

Dr. Garner conducts research primarily on topics related to the economic well-being of individuals, families, and households. Recent work is related to housing, wealth, poverty, inequality, and personal assessments of economic well-being. Her most recent work on experimental poverty measurement has been conducted jointly with Kathleen Short of the Census Bureau. Data from the U.S. Consumer Expenditure Survey (CE) has been used for the production of thresholds in these studies. Since the mid-1990’s, when the National Academy of Sciences (NAS) Panel released its study, she has presented her research at national and international conferences. During the 2004 NAS Summer Workshop, she presented her work on options to account for owner-occupied housing in poverty measurement and continues to work on this topic. She has served as a member of the Office of Management and Budget (OMB) interagency working group with the mission to examine technical issues related to revising U.S. poverty measurement based on the recommendations of an expert National Academy of Sciences panel. Dr. Garner is a recognized expert on the U.S. Consumer Expenditure Survey (CE) and its use in economic well-being measurement. In 2003 she worked with the Director of Statistics of the International Labour Office (ILO) to prepare a document in which recommendations for income and expenditure surveys were made. In addition to her work using U.S. data, she has also conducted research on the impact of the economic transition in the Czech and Slovak Republics, using Family Expenditure and Income Survey data, while a Senior Fulbright Scholar in the early 1990’s in Prague. She has served on the governing council of the International Association for Research in Income and Wealth.

**Education**

Ph.D., University of Maryland, Consumer Economics and Applied Microeconomics  
M.S., Purdue University, Consumer Economics and Communications  

**Selected publications**

Armando Garsd  
Director of Biostatistics and Clinical Data Management Illumina, Inc.  
San Diego, CA  
Contact Information  
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Areas of Expertise  
Clinical trials • Animal experimentation • Biopharmaceutical research • FDA statistical reviews • Multinational studies • Oncology • Vaccinology • Pediatrics • Medical Devices • In-vitro Testing • Design of Reproducibility/Repeatability Studies • Accuracy • Device Effectiveness and Clinical Efficacy • Analytical/Preclinical/Clinical Sensitivity • Analysis of Bridging Studies • Benefit/Risk Analysis • Cardiovascular • Endocrine/Metabolic • Gastrointestinal Women’s Health • Ophthalmology • Psychiatric and Neurological Research • Respiratory/Pulmonary • Skin and Soft Tissue • Transplants • Hematology • Infectious Diseases • Urology.  
Brief Biography  
Dr. Garsd served seven years as the director of Biostatistics for Hollis Eden Pharmaceuticals. He has authored more than 100 scientific articles and abstracts published in leading journals and congress transactions. He was awarded the “Serving Humanity Award” by Hollis Eden in 2005. In 2007, he served as a reviewer for the Journal of the Royal Statistical Society in the United Kingdom. From 1984-87, was a lecturer in biostatistics at Harvard University. From 1987-91, he was a mathematical statistician, senior biostatistician reviewer and member of the College of the Food and Drug Administration (FDA). He was on the faculty of the NIH (FAES) from 1988-90. From 1992-2001, he operated a consulting firm, Garsd & Associates - International Statistical Consulting, serving international clients that included Aventis (HMR), Bayer, Boehringer, Eli Lilly, Galderma, Mallinckrodt, Monsanto, Novartis, Pfizer, Merz, Schering-Plough and (Astra) Zeneca. Dr. Garsd was a Fulbright Fellow from 1974-78.  
Education  
Postdoctoral Statistician, University of California, Berkeley, Space Sciences Laboratory, Remote Sensing Research Program  
Postdoctoral Research Biomathematician, University of California, Davis, Laboratory for Energy Related Health Research  
Ph.D. (Statistical ecology), University of California, Davis, 1979  
M.S. (Ecology), University of California, Davis, 1975  
B.S. (Biostatistics), University of Buenos Aires, 1970  
Selected publications  
(2009) ”Inhibition of Androstenediol-dependent LNCaP tumor growth by 17α-ethynyl-5 α- Media Experts – April 2014 Page 24
androstane-3ß,17ß-diol (HE3235)”.

British Journal of Cancer, 100: 1068-1072.


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Professor
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Areas of Expertise
Law (product liability cases, infringement cases, and tax-assessment fairness cases) • Discrimination cases related to affirmative action • Public Policy • Accuracy of screening tests

Brief Biography
Dr. Gastwirth’s early career research focused on nonparametric and robust statistical methods; especially linear combinations of order statistics (L-statistics) and robust rank tests. He later became interested in the measurement of economic inequality, which led to several papers concerning the Lorenz curve and Gini index. This naturally led to developing methods for analyzing salary data for evidence of discrimination and my continuing work on problems arising in legal applications of statistics. Dr. Gastwirth has a number of Ph.D. students, several of whom are in the area of biostatistics; together, they have conducted research on topics that are intellectually related to robust methods or techniques used in economics and law. In genetic epidemiology, the underlying mode of inheritance is often not known very precisely so they adapted the efficiency robustness approach to obtain tests with high power over a class of models. The problem of assessing whether an omitted variable could change a statistical conclusion arises in case-control studies and in the analysis of employment data as both applications deal with observational studies rather than randomized designed ones. As the issues involved in assessing minority health disparities are quite similar to those arising in studying economic discrimination, they are adapting some regression techniques used in EEO cases for the analysis of data from complex surveys used in studying health inequalities. (See Dr. Gastwirth’s home page for additional information on his research and background)

Education
Ph.D. Mathematical Statistics, Columbia University, 1963
M.A. Pure Mathematics, Princeton University, 1960
B.S. (Summa Cum Laude) Mathematics, Yale University, 1958

Selected publications

Andrew Gelman
Professor, Statistics and Political Science
Columbia University

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Areas of Expertise
Elections • Public opinion • Voting • Political science • Bayesian statistics

Brief Biography
Andrew Gelman is a professor of statistics and political science and director of the Applied Statistics Center at Columbia University. He has received the Outstanding Statistical Application award from the American Statistical Association, the award for best article published in the American Political Science Review, and the Council of Presidents of Statistical Societies award for outstanding contributions by a person under the age of 40. His books include Bayesian Data Analysis (with John Carlin, Hal Stern, and Don Rubin), Teaching Statistics: A Bag of Tricks (with Deb Nolan), Data Analysis Using Regression and Multilevel/Hierarchical Models (with Jennifer Hill), and, most recently, Red State, Blue State, Rich State, Poor State: Why Americans Vote the Way They Do (with David Park, Boris Shor, Joe Bafumi, and Jeronimo Cortina).

Education
S.B. (Mathematics and Physics), MIT, 1985/86
Ph.D. (Statistics), Harvard, 1990

Selected publications

Christopher Genovese
Assistant Professor, Statistics
Center for the Neural Basis of Cognition
Carnegie Mellon University Media Experts – April 2014 Page 26
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Areas/Topics of Expertise
Nonparametric Inference • Function Estimation • Multiple Testing • Inverse problems •
   confidence procedures • Modeling • Neuroimaging • Astrophysics

Brief Biography
A major focus of Dr. Genovese’s research involves developing statistical methods for making
effective inferences from data in complex scientific problems. He has tackled statistical problems
in a wide variety of disciplines, including astrophysics, solid-state physics, and neuroscience. His
work on applied problems involves capturing very complex physical processes with high-
dimensional, often nonlinear, statistical models. He has developed new methods for statistical
inference from functional Magnetic Resonance Imaging (fMRI) data. For example, his nonlinear,
Bayesian model for the complex temporal structure of fMRI data enables investigators to infer
the shape and magnitude of task-related signal changes and provides accurate assessments of the
uncertainty in these inferences. Inferences about these changes can help cognitive neuroscientists
understand how the brain subserves the tasks being studied. The model incorporates the best
available information about the underlying physical processes generating the data, but it is also
designed so that it can evolve as new research elucidates the key components of the system.
Inferences based on model fits offer improved precision, and more importantly, the method
makes it possible to use fMRI data to address scientific questions of interest that were
inaccessible to previous methods. I have encoded this method in the BRAIN (Bayesian Response
Analysis and Inference for Neuroimaging) software package, which is publicly available
(bundled with FIASCO) and under continuing development. He is currently working to extend
the model in several directions.

Education
Ph.D. Mathematical Statistics, Columbia University, 1963
M.A. Pure Mathematics, Princeton University, 1960
B.S. (Summa Cum Laude) Mathematics, Yale University, 1958

Selected publications
   Subserving Eye Movements (with discussion), in Case Studies in Bayesian Statistics, Volume 4,
   eds. Kass, R. E., Carlin, B. P., Carriquiry, A. L., Gatsonis, C., Gelman, A., Verdinelli, I., and
   West, M., Springer Verlag.
   Statistics.
   Neurophysiology. 97, 1738--1755. Media Experts – April 2014 Page 27
Malay Ghosh
Distinguished Professor
Statistics
University of Florida
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Areas/Topics of Expertise
Census
Brief Biography
Prior to joining the faculty at the University of Florida in 1982, Dr. Ghosh was a professor of
statistics at Iowa State University. In 1977 and 1978, he was an associate professor at the Indian
Statistical Institute in Calcutta. Dr. Ghosh was a post-doctoral fellow in the Department of
Biostatistics at the University of North Carolina in Chapel Hill from 1969-1970. He also served
as a lecturer in statistics at Presidency College in Calcutta in 1965-66.

Education
Ph.D. (Statistics), University of North Carolina, Chapel Hill, North Carolina (1969)
M.A. (Statistics) Calcutta University, Calcutta, (1964), First Class First, Gold Medalist
B.A. (Statistics - Honors), Calcutta University, Calcutta (1962), First Class First, Gold Medalist.

Selected publications
Hierarchical and empirical Bayes approach towards adjustment of census undercount: The 1988
Survey methodology, 18, 95-108.
Science, 9, 55-93.
Estimation of median income of four-person families: a Bayesian approach" (with G.S. Datta, K.
Honor of Arnold Zellner.Eds. D.A. Berry, K.M. Chaloner, and
Estimation of median income of four-person families: a Bayesian time series approach" (with N.
Generalized Linear Models for Small Area Estimation" (with K. Natarajan, T.W.F. Stroud and B.

Mark Glickman
Associate Professor, Health Policy & Management
Boston University School of Public Health, and
Senior Statistician, Center for Health Quality, Outcomes and Economics Research
Edith Nourse Rogers Memorial Hospital Media Experts – April 2014 Page 28
Areas of Expertise
Statistics in games and sports • Lotteries • Statistical applications in health and medicine

Brief Biography
Mark Glickman is Associate Professor of Health Policy and Management in the Boston University School of Public Health, and Senior Statistician at the Center for Health Quality, Outcomes and Economics Research. He is well-known for inventing several rating systems for competitors in games and sports. Mark has had a long-standing interest in the application of statistical methods to rating tournament chess players, and has been chair of the U.S. Chess Federation's Ratings Committee over ten years. His recent statistical work includes developing models for explaining the genetic predisposition to late-onset diseases, latent variables models for measuring reaction time data in cognitive psychology experiments, and Bayesian optimal design for tournaments and competition. His work in health services included the determination of a plausibility index used to identify aberrant assessments of nursing home patients and facilities as a means of quality control, statistical modeling of automobile crash data for monitoring safety of airbags, and modeling physician treatment behavior for diabetes and hypertensive patients. Mark is also the co-editor of "Here's to your Health" column in Chance magazine.

Education
Ph.D. (Statistics) Harvard University, 1993
M.A. (Statistics) Harvard University, 1989
B.A. (Statistics) Summa Cum Laude, Princeton University, 1986

Selected publications
Areas of Expertise
Quality management • Quality improvement • Strategic planning and management • Six Sigma Quality • Health Care Quality

Brief Biography
Dr. Godfrey has been dean of the leading textiles college in the United States since July 2000. He was chairman and CEO of Juran Institute, Inc. from 1987 to July 2000. From 1973 to 1987 he was head of Quality Theory and Technology AT&T Bell Laboratories and an Adjunct Professor in the Industrial Engineering and Operations Research Department, Fu Foundation School of Engineering and Applied Science, at Columbia University for 19 years. He is an Academician of the International Academy of Quality; a Fellow of the American Statistical Association; Fellow of the American Society for Quality; Fellow of the Royal Society for the encouragement of Arts, Manufacturers, and Commerce; Fellow of the World Academy of Productivity Sciences; Member, Sigma Xi; Member of New York Academy of Sciences, and Founding Editor of ASQ’s Six Sigma Forum Magazine. He is one of founding judges for United States Malcolm Baldrige National Quality Award and a member of the Board of Advisors of NC State University’s new Institute for Advanced Analytics. Dr. Godfrey has worked in over 60 countries, published over 200 articles, books and book chapters, and received a number of awards including the Edwards medal from the American Society for Q, the Deming Lecturer for the American Statistical Association, and the Grayson Medal from the American Quality and Productivity Center.

Education
B.S. (Physics), Virginia Tech
M.S. (Statistics), Florida State University
Ph.D. (Statistics), Florida State University

Selected publications

Peter Guttorp
Professor, Dept. of Statistics
University of Washington

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Areas of Expertise
Environmetrics • Stochastic processes in geosciences & hematology • Statistical climatology • Spatial and space-time statistics

Brief Biography
Intergovermental Panel on Climate Change participant 93-01 Director of the National Research Center for Statistics and the Environment 96-02 Program chair, 7th International Meeting on Statistical Climatology 98 President of the International Environmetric Society 02-04 Swedish Environment Professor 04-05

Education
PhD (Statistics), UC Berkeley, 1980
BS (Mathematical statistics, mathematics and musicology) U. Lund, 1974 Journalism degree, Stockholm School of Journalism, 1969

Selected Publications

Charles B. Hall
Associate Professor
Department of Epidemiology and Population Health, and Department of Neurology
Albert Einstein College of Medicine of Yeshiva University

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Areas of Expertise
Aging • Epidemiology

Brief Biography
Charles B. Hall, Ph.D., is a biostatistician with extensive experience in methods for and analysis of data from longitudinal prospective epidemiologic studies. Since 2001, Dr. Hall has directed the Biostatistics Core of the Einstein Aging Study, one of the longest running prospective studies of aging in the elderly. Dr. Hall is also one of the instructors for the epidemiology course in the first year medical school curriculum at Einstein.
Education
B. A. (Applied Mathematics) Harvard
M. S. (Applied Mathematics) Johns Hopkins
Ph. D. (Biostatistics) Johns Hopkins

Selected publications

Philip Hanser
Principal
The Brattle Group
Cambridge, Massachusetts

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Areas of Expertise
Climate change • Energy

Brief Biography
Mr. Hanser’s practice at Brattle includes issues ranging from utility industry structure and market power and associated regulatory questions, to specific operational and strategic questions, such as transmission pricing, generation planning, tariff strategies, fuels procurement, environmental issues, forecasting, marketing and demand-side management, and other management and financial issues. He has supported clients’ efforts in insurance recovery of environmental liabilities arising from former manufactured gas plant sites, assessed liability risk in mass tort suits, and designed statistical database auditing procedures. Mr. Hanser has appeared as an expert witness before the Federal Energy Regulatory Commission (FERC), the California Energy Commission (CEC), the New Mexico Public Service Commission (NMPSC), the Public Service Commission of Wisconsin (PSCW), the Vermont Public Service Board (VPSB), a the Public Utilities Commission of Nevada (PUCN), the Connecticut Siting Commission, the Pennsylvania Department of Environmental Protection, and in federal and state courts. He served six years on the America Statistical Association’s Advisory Committee to the Energy Information Media Experts – April 2014 Page 32
Administration (EIA). Mr. Hanser has taught at the University of the Pacific, University of California at Davis, and Columbia University, and guest lectured at the Massachusetts Institute of Technology, Stanford University and the University of Chicago.

**Education**

Ph.D. (Economics) Columbia University (candidacy requirements completed in Economics)

M.Phil. (Economics and Mathematical Statistics) Columbia University

A.B. (Economics and Mathematics) Florida State University,

**Selected publications**


**William V. Harper**

Professor

Mathematical Sciences

Otterbein College, Westerville, OH

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**Areas of Expertise**

Geostatistics • Simulation • Oil & gas pipeline risk assessment

**Brief Biography**

Dr. Harper is a full-time faculty member in the mathematical sciences department at Otterbein College. Statistics, simulation, and operations research are what he enjoys teaching the most. Before moving into academia in 1997 at Otterbein, Bill worked in engineering/statistical research and consulting for 20 years and traveled to over 25 countries including spending a considerable time in Saudi Arabia. Bill is a licensed engineer, a certified quality engineer, a certified reliability engineer, and a Fellow of the American Society for Quality.

**Education**

PhD (Industrial & Systems Engineering), Ohio State University, 1984

MS (Statistics), Ohio State University, 1976

BS. (Computer Engineering), Ohio State University, 1974
Selected publications
Co-author of book *Practical Geostatistics 2000* with Isobel Clark.............
Practical Geostatistics Case Studies 2009

Anthony Hayter, Ph.D.
Chair and Professor
Department of Statistics and Operations Technology
University of Denver

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Areas of Expertise
Affirmative Action/Discrimination • Coincidences and Luck • Business • Law/Litigation •
Physical/Engineering/Life Sciences

Brief Biography
Dr. Anthony Hayter is Professor and Chair of the Department of Statistics and Operation
Technology in Denver University’s Daniels College of Business, teaching in the executive MBA
program, as well as at both undergraduate and graduate levels. His academic research focuses on
data analysis, survey sampling, quality control and experimental design. Author of a popular
textbook on probability and statistics, he has extensive consulting experience in the business
world, with clients including insurance companies, retail companies, and various other
businesses.

Education
Ph.D. (Statistics), Cornell University, 1985
M.Sc. (Statistics), Cornell University, 1984
M.A. (Mathematics), Cambridge University, 1986
B.A. (Mathematics [triple first class]), Cambridge University, 1982

Selected publications
“Wheelchair use by veterans newly prescribed a manual wheelchair,” *Archives of
“Characterization of home range using point peeling algorithms,” *Journal of Wildlife
“A probability analysis of the playoff system in sumo tournaments,” *Recent Advances in
Statistical Research and Data Analysis*, Springer-Verlag, 2002.
“Experimental designs and emission rate modeling for chamber experiments,” *Atmospheric

James L. Hess
Vice President – Operations Services
Leggett & Platt Media Experts – April 2014 Page 34
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Areas of Expertise
Industrial Statistics • Regression Analysis • Design of Experiments • Lean Manufacturing • Business
Brief Biography
James L. Hess is a Vice President of Leggett & Platt, Incorporated, with corporate responsibility for the Risk Management, Environmental Affairs, Leggett Business Systems, Continuous Process Improvement, and Logistics functions. He has been with Leggett & Platt for 14 years. Prior to joining Leggett & Platt, he worked for the DuPont Company for 15 years as a statistical consultant and a manager in their Quality Management & Technology Center. Before joining DuPont, he was on the faculty at Kansas State University. Jim received his Ph.D. in Statistics from Southern Methodist University in 1977. He is the author of several articles on the application of statistics to process improvement, and has coauthored a book titled Statistical Design and Analysis of Experiments published by John Wiley & Sons.
Education
Ph.D. (Mathematical Statistics), Southern Methodist University, 1977
M.S. (Mathematical Statistics), Southern Methodist University, 1975
B.S. (Applied Mathematics), University of Missouri-Rolla, 1973
Selected publications
Kent E. Holsinger
Professor
Department of Ecology & Evolutionary Biology
University of Connecticut
Contact Information
860-486-4059
kent.holsinger@uconn.edu
Areas of Expertise
Statistical issues in population genetics
Brief Biography
Kent Holsinger is a professor in the Department of Ecology and Evolutionary Biology and an adjunct professor in the Department of Statistics at the University of Connecticut. His research encompasses three broad areas: the evolution of plant reproductive systems, the genetics of geographically structured populations, and the application of basic biological principles to conservation problems. He develops mathematical and statistical models to gain insight into evolutionary and ecological processes, and he has applied those models to analysis of data from population of a variety of plants and animals, including humans.
Education
Ph.D. (Biological Sciences) Stanford University, 1982
B.S., Summa cum laude, Departmental Honors in Biology, The College of Idaho, 1978

Selected publications

Andrew J. Houtenville
Associate Professor / Research Director
Economics / Institute on Disability
University of New Hampshire

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(603) 862-4004
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Areas of Expertise
Disability

Brief Biography
Dr. Andrew Houtenville is currently an Associate Professor of Economics in the Whittemore School of Business and Economics and Research Director of the Institute on Disability at the University of New Hampshire. He is extensively involved disability statistics and employment policy research. He is a co-Principal Investigator of the Hunter College Rehabilitation Research and Training Center on Disability Demographics and Statistics (StatsRRTC). In addition, he is working with the National Institutes of Health/Clinical Center/Rehabilitation Medicine Division to evaluate and develop potential recommendations for the reform of the Social Security Administration’s child and adult disability determination processes. He is widely published in the areas of disability statistics and the economic status of people with disabilities. Dr. Houtenville received his Ph.D. in Economics from the University of New Hampshire in 1997 and was a National Institute on Aging Post-Doctoral Fellow at Syracuse Media Experts – April 2014

Page 36
University in 1998/1999. He is the former president of the National Association of Rehabilitation Research and Training Centers.

**Education**
Ph.D. in Economics, University of New Hampshire, 1997
M.A. in Economics, University of New Hampshire, 1991
B.A. in Economics, Richard Stockton College, 1988

**Selected publications**

**Valen Johnson**
Professor & Deputy Chair of Biostatistics
M.D. Anderson Cancer Center
Houston, Texas

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**Areas of Expertise**
Grade inflation, student evaluations of teaching, and educational assessment • Peer review systems (especially the NIH peer review system) • Reliability analysis (specific experience with reliability of Space Shuttle) • Bayesian methods (especially the area of Bayesian hypothesis testing) • Replication of scientific studies • Ordinal data modeling

**Brief Biography**
Dr. Johnson is Professor and Deputy Chair of Biostatistics at the University of Texas M.D. Anderson Cancer Center. Previous positions include Professor of Biostatistics at University of Michigan (2002-2004), Technical Staff Member, Los Alamos National Laboratory (2001-2002), and Professor of Statistics and Decision Sciences, Duke University (1989-2001). He is a fellow of the American Statistical Association and the Royal Statistical Society (UK), and an elected member of the International Statistical Institute (ISI). He currently serves as a member of the Board of Directors of the International Society for Bayesian Analysis (ISBA) and as an Associate Editor of *Bayesian Analysis*. He has previously served as Treasurer of ISBA and as an Associate Editor of *IEEE Transactions on Media Experts* – April 2014 Page 37
Medical Imaging and the Journal of the American Statistical Association. Dr. Johnson has written two books, *Grade Inflation: A Crisis in College Education* and *Ordinal Data Modeling* (joint with James Albert), is the author of over 70 scientific articles, and jointly holds two patents in the area of modeling gene expression data.

**Education**
Ph.D (Statistics), University of Chicago, 1989  
M.A.(Mathematics), University of Texas at Austin, 1985  
B.S (Mathematics), Rensselaer Polytechnic Institute, 1981

**Selected publications**

**Karen Kafadar**
Professor of Statistics & Chancellor’s Scholar  
Dept. of Mathematical Sciences &  
Department of Preventive Medicine & Biometrics  
University of Colorado/Denver & Health Sciences Center

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303-556-2547  
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**Areas of Expertise**
Statistical applications in physical/engineering/life sciences; cancer screening trials; statistics and forensic sciences; Internet traffic data; exploratory data analysis and data mining

**Brief Biography**
Karen Kafadar previously worked at the National Institute of Standards and Technology, where she currently continues her work as Guest Faculty Visitor on problems involving measurement accuracy, experiment design and analysis, and standard reference materials. She also held positions at Hewlett Packard Company (R&D laboratory for RF/Microwave test equipment), and the National Cancer Institute (Division of Cancer Prevention, Cancer Screening Section). She served on the NRC Committee on Scientific Assessment of Bullet Lead Elemental Composition Comparison (report issued in February 2004) and presently chairs the NRC Committee on Applied and Theoretical Statistics. At CU-Denver, she collaborates with researchers in the School of Medicine and teaches courses in applied and theoretical statistics. She has served on several editorial review boards and on governing Media Experts – April 2014 Page 38
boards for the American Statistical Association, the Institute of Mathematical Statistics, and the International Statistical Institute. In August 2008, Dr. Kafadar will join Indiana University as Rudy Professor of Statistics. She was elected ASA Fellow in 1994, has authored over 70 journal articles and book chapters, and has advised numerous M.S. and Ph.D. students.

**Education**
Ph.D. (Statistics) Princeton University, 1979  
M.S. (Statistics) Stanford University, 1975  
B.S. (Mathematics) Stanford University, 1975

**Selected publications**

**Richard Kryscio**
Professor  
Department of Statistics and Department of Biostatistics  
University of Kentucky

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**Areas of Expertise**
Alzheimer’s Disease • Disease Clusters • Epidemics • Prevention • Clinical Trials

**Brief Biography**
Dr. Richard J. Kryscio is Professor, Department of Statistics, College of Arts and Sciences and Chair, Department of Biostatistics, College of Public Health at the University of Kentucky (UK) where he has been on the faculty for the past twenty-six years. He has been the statistical collaborator on fifty five grants in the biomedical sciences in which he assumes responsibility for study design, power analysis, and data analysis. These grants cover diverse areas in biomedical research including traumatic brain injury, cancers of the central nervous system, screening for ovarian cancer, amythrophic lateral sclerosis, Parkinson’s Disease, and Alzheimer’s Disease. He is an associate editor of the journal Neurology. Dr. Kryscio’s research program emphasizes the application of applied probability to problems in public health. Specific interests include clinical trials, spread of infectious diseases, spatial statistics, the clustering of diseases in space and time, and statistical methodology in Alzheimer’s disease research including longitudinal data analysis. He was elected a Fellow of the American Media Experts – April 2014 Page 39
Statistical Association in 1995, was the recipient of the Paul Minton award for service to the profession in 2006, and is serving as a University Research Professor at UK in the academic year 2007-2008.

**Education**

Ph.D. (Statistics) State University of New York, Buffalo, 1971  
M.S. (Statistics) State University of New York, Buffalo, 1968  
B.S. (Mathematics) King’s College (PA), 1966

**Selected publications**


**Peter A. (Tony) Lachenbruch**

Professor of Public Health  
Department of Public Health  
Oregon State University

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**Areas of Expertise**

Biostatistics • Applications to Rheumatology • Drug regulation

**Brief Biography**

Dr. Peter Lachenbruch has held positions on the faculties of the University of North Carolina (1965-1976), the University of Iowa (1976-1985), and UCLA (1985-1994). He was employed by the FDA/CBER from 1994 to 2005 and retired as the Director of the Division of Biostatistics. He is currently Professor of Public Health at Oregon State University (2006 – present). He is a Fellow of the American Statistical Association and a former elected member of the International Statistical Institute. He has held many professional offices and is President of the American Statistical Association for 2008. Media Experts – April 2014 Page 40
Dr. Lachenbruch has statistical interests in Discriminant Analysis, Two-part Models, Model-Independent Inference, Statistical Computing, Drug Regulation and Data Analysis. He has application interests in Rheumatology, Psychiatry, Pediatrics, Gerontology and Accident Epidemiology. He has more than 180 publications in these fields. Dr. Lachenbruch serves on the Editorial Boards of *Statistics in Medicine*, *Methods of Information in Medicine*, *Journal of Biopharmaceutical Statistics*, and *Statistical Methods in Medical Research*. He has served on advisory panels to the George Mason University Department of Statistics, the Ohio State University Department of Statistics, Statistical Solutions, Cytel, and on the DSMB to several clinical trials.

**Education**

B. A. (Mathematics) UCLA, 1958  
M.S. (Mathematics) Lehigh University, 1961  
Ph.D. (Biostatistics) UCLA 1965

**Selected publications**


**Michael Lavine**

Professor  
Dept. of Mathematics and Statistics  
University of Massachusetts, Amherst

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**Areas of Expertise**

Bayesian Statistics/Methods • Ecology • Environmental issues • Neurophysiology • Nonparametric Inference

**Brief Biography**

Lavine was Professor of Statistics at Duke University from 1987 until 2008, when he moved to the University of Massachusetts, Amherst. He is on the editorial boards of several journals and is a Fellow of the ASA. He works in Bayesian statistics, the foundations of statistics, and in many areas of application -- most recently Ecology and Neuroscience.

**Education**

PhD, University of Minnesota, 1987
MA, Dartmouth University, 1977
BA, Beloit College, 1974

Selected publications

Climate Change 2007 The Physical Science Basis: Contribution of Working Group I to the Fourth Assessment Report of the Intergovernmental Panel on Climate Change, Solomon, Susan; Qin, Dahe; Manning, Martin; Marquis, Melinda; Averyt, Kristen; Tignor, Melinda M. B.; Miller, Henry LeRoy Jr; and Chen, Zhenlin (eds.), 2007, one of many contributing authors, Cambridge University Press.


Bruce Levin, Ph.D.
Professor and Chair
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Mailman School of Public Health

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Areas of Expertise
Sequential Clinical Trial Design • Categorical Data Analysis • Conditional Likelihood Analysis • Statistics in Law • Reproductive Epidemiology

Brief Biography
Dr. Levin is the senior statistical consultant on several multicenter randomized clinical trials in the field of neurology and cardiology, including the WARCEF trial funded by NINDS (Warfarin versus Aspirin in Reduced Cardiac Ejection Fraction), the TNK trial (Tenecteplase versus rt-PA in acute stroke) and the QALS trial for ALS patients. He serves as the Director of the Statistics, Epidemiology, and Data Management (SED) Core of the HIV Center. Dr. Levin has a long-standing interest in statistical methodology for clinical trials, public health, and the law. Using sequential statistical methods, he has published on innovative trial designs, e.g., designs that minimize ethical costs, designs that emphasize the selection paradigm rather than the hypothesis test paradigm, and phase II trials that combine a selection phase with a non-superiority Media Experts – April 2014 Page 42
(futility) phase utilizing the same data. Dr. Levin is a Fellow of the American Statistical Association. He served for 10 years as Consulting Statistical Editor for the American Journal of Public Health. He has also served as an expert statistical witness in many court cases.

**Education**

Ph.D. (Applied Mathematics and Statistics), Harvard Univ, 1974  
M.A. (Mathematics), Harvard Univ, 1972  
B.A. (Mathematics, Summa Cum Laude), Columbia College, 1968

**Selected Publications**


**Michael (Mihail) Levine**

Department of Statistics  
Purdue University

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**Areas of Expertise**

Function Estimation • Nonparametric Inference • Employment/Unemployment Trends • Employment

**Brief Biography**

Michael Levine has been an Assistant Professor of Statistics at the Department of Statistics, Purdue University since 2003. He received his Ph.D. in Statistics under the supervision of Prof. Lawrence D. Brown at the Wharton School, University of Pennsylvania. His current research interests include nonparametric function estimation and nonlinear time series with applications in applied economics, financial econometrics and medicine.

**Education**

Ph.D. (Statistics), University of Pennsylvania, Wharton School, 2003  
M.A. (Statistics), University of Pennsylvania, Wharton School, 2000  
M.S. (Mathematical Statistics), Riga Technical University, Riga, Latvia, 1996 Media Experts – April 2014 Page 43
B.S. (Applied Mathematics, with honors), Riga Technical University, Riga, Latvia, 1994

Selected publications
T. Tony Cai, M. Levine and L. Wang “Variance Function Estimation in Multivariate Nonparametric Regression” – tentatively accepted by the Journal of Multivariate Analysis
M. Levine " Bandwidth selection for the variance estimators in the nonparametric regression: a possible approach" – Computational Statistics and Data Analysis (2005), Vol. 50, pp. 3405-3431

Professor Thomas A. Louis, PhD
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Areas of Expertise
Bayesian Methods • Risk Assessment • Health Services Research • Clinical Trials • Genomics

Brief Biography
Dr. Louis is professor of Biostatistics, Johns Hopkins Bloomberg School of Public Health with prior positions as Assistant Professor of Mathematics, Boston University; Associate Professor of Biostatistics, Harvard SPH; Professor and Head of Biostatistics, University of Minnesota SPH; and Senior Statistical Scientist at Rand. Research includes risk assessment; environmental and public policy; Bayesian methods, the analysis of longitudinal data in both experimental and observational studies. Current applications include SNP association studies, assessing the health effects of airborne particulate matter, analysis of data from the United States Renal Data System; modeling of infectious diseases; clinical trials on the treatment of Uveitis and behavioral interventions to reduce obesity. He has published over 200 articles, books/chapters, monographs and discussions. From 2000-2003, Professor Louis was coordinating editor of The Journal of the American Statistical Association; for five years served on the editorial boards of Biostatistics and Clinical Trials. Currently, he serves as one of the three co-editors of the journal Biometrics. From 2005-2008 he served as vice-President and President of the International Biometric Society.

Education
PhD (Mathematical Statistics), Columbia University, 1972
BA (Mathematics), Dartmouth College, 1966

Selected publications
Walsh A, Louis TA, Glass G (2007). Detecting multiple levels of effect during survey sampling using a Media Experts – April 2014 Page 44

David Marker
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Westat

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Areas of Expertise
Iraqi war deaths • Elections • Affirmative Action • Homelessness • Quality improvement • Voter ID

Brief Biography
Senior statistician at Westat for 24 years, primarily working in studies of the environment, housing, and other social services. Fellow of the ASA and elected member of the ISI. Chair of ASA Scientific and Public Affairs Advisory Committee.

Education
Ph.D (Biostatistics), University of Michigan, 1995
M.A. (Statistics), University of Michigan, 1980
B.S. (Mathematics), University of Maryland, 1978

Selected publications

**Wendy L. Martinez, PhD**
Statistician
Department of Defense

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**Areas of Expertise**
Statistics in defense and national security • Computational statistics • Classification and clustering • Modeling and simulation • Information fusion

**Brief Biography**
Wendy Martinez has been working as a civilian for the Department of Defense for the past 18 years. She has served in various positions at the Naval Surface Warfare Center Dahlgren Division, the Office of Naval Research, and the Joint Forces Command. While at the warfare center, she conducted basic and applied research in probability density estimation, signal processing, scientific visualization, and pattern recognition. Wendy transferred to the Office of Naval Research, where she managed science and technology projects in statistics, information fusion, and decision-making systems that ranged from basic research to fielded systems. She uses statistical methods to directly support the warfighter in her current position.

**Education**
B.S. (Physics and Mathematics), Cameron University, 1989
M.S. (Aerospace Engineering), George Washington University, 1991
PhD (Computational Statistics), George Mason University, 1995

**Selected publications**

**Edward L. Melnick**
Professor of Statistics
Stern School of Business
New York University

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Areas of Expertise
Risk • Time series analysis • Forecasting • Actuarial Science • Finance

Brief Biography
Dr. Edward Melnick is the former Chair of the Department of Statistics and Operations Research at the Stern School of Business at New York University (NYU). The number and impact of his publications were recognized by the American Statistical Association (ASA) when he became Fellow of the ASA. These publications include the 4 volume Encyclopedia of Quantitative Risk Analysis and Assessment and the book Creating Value in Financial Services: Strategies, Operations, and Technologies. He has won 16 teaching awards at NYU including the NYU Distinguished Teaching Award. Dr. Melnick has served in my capacities in the ASA including Chair of the Risk Section. He had worked in the U.S. Census Bureau for 7 years and has provided statistical consulting to financial institutions, marketing researchers, pharmaceuticals, retailing organizations, and utilities. He has also provided expert witness in a number of legal cases.

Education
BA (Industrial Psychology), Lehigh University, 1960
MS (Statistics & Mathematics), Virginia Polytechnic Institute, 1963
PhD (Mathematical Statistics), George Washington University, 1970

Selected Publications

Carl Morris
Professor of Statistics
Harvard University

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morris@stat.harvard.edu

Areas of Expertise
Sports • Health policy • Health services evaluation

Brief Biography
Media Experts – April 2014 Page 47
Dr. Morris joined Harvard in 1990 with Professorships evenly split between the Statistics Department, and the Department of Health Care Policy (Harvard Medical School); in 1995 he became chair of the Department of Statistics. He is a Fellow of the ASA, IMS, and Royal Statistical Society; an elected member of ISI; and a member of the Biometric Society. His research in the interface of statistical theory and scientific application has been aided by appointments in departments of statistics, mathematics, economics, health policy, and of behavioral sciences. Dr. Morris is best known for his contributions to the theory of hierarchical models and of empirical Bayes methods with applications to many fields, particularly including health care policy. Over the years this work has been supported by grants from the National Science Foundation, the Agency for Health Care Policy Research, the Veterans Administration, the U.S. Census Bureau, the Environmental Protection Agency, and the National Aeronautics and Space Administration. Hierarchical modeling applications of particular continuing relevance in health services research concern evaluating the quality of medical units. With collaborators and students at Harvard, and with Veterans Affairs researchers involved in profiling VA hospitals, Dr. Morris continues this research on mental and physical health and on medical profiling. Earlier work in health policy research spanned medical profiling, experimental design, and public policy experiments. Dr. Morris has also done pioneering work in the theory of statistics as applied to sports and competition, especially in baseball and tennis.

Education
Ph.D. Stanford University 1966
M.S. Stanford University, 1964
University of Indiana, 1960-62
B.S. California Institute of Technology 1960

Selected publications

Daniel J. Mundfrom, Ph.D.
Professor and Chair, Department of Mathematics and Statistics
Eastern Kentucky University

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Areas of Expertise
Education • Program Evaluation • Social Science Applications of Statistical Methods • Sports • Instrument Development

Brief Biography Media Experts – April 2014 Page 48
Daniel J. Mundfrom, Ph.D. is a Professor of Statistics and Chair of the Department of Mathematics and Statistics, having formerly served as chair of the Department of Applied Statistics and Research Methods and former director of the School of Educational Research, Leadership, and Technology at the University of Northern Colorado. He has 37 years of experience in education, including 8 years as a high school math teacher and coach and 29 years teaching mathematics, statistics and research methods at the university level. He has served on the editorial review boards for *Gifted Child Quarterly* and *Multiple Linear Regression Viewpoints* and has reviewed manuscripts for the *Journal of Statistical Education*, the *Journal of Statistical Computation and Simulation*, the *European Journal of Combinatorics*, *Computational Statistics and Data Analysis*, *Health Services and Outcomes Research Methodology*, and *Communications in Statistics – Simulation and Computation*. He has over 40 professional publications, and over 80 national, regional, or invited presentations, primarily addressing issues in statistical methodology and applications of that methodology in education and other disciplines. He has participated in the evaluation and assessment of three major educational initiatives, two in the State of Arkansas: Project MAST: Math and Science Together, and the Multicultural Reading and Thinking (McRAT) Program, and one in Colorado: Gaining Early Awareness and Readiness for Undergraduate Programs (GEAR UP), and has been a key participant in over $1 million of funded research projects. He was the 2003 recipient of the M. Lucile Harrison Award, given annually to a UNC professor in honor of a “career of professional excellence” in teaching, scholarship, and service.

**Education**
Ph.D. (Statistics, Educational Research & Evaluation), Iowa State University, 1991
M.S. (Mathematics, Statistics), University of North Dakota, 1987
B.S. (Mathematics, Secondary Education, Athletic Coaching), University of North Dakota, 1977

**Selected publications**

**Martha E. Nunn**
Associate Professor
Health Policy and Health Services Research
Boston University Media Experts – April 2014 Page 49
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Areas of Expertise
Statistical methods applied to dental research problems • Statistical methods for correlated outcomes, including GEE, mixed models, and multiple endpoint survival analysis • Oral health disparities • Dental prognostic indicators • Genetic factors in periodontal disease

Brief Biography
Prior to entering biostatistics, I practiced dentistry for 11 years. Since completing a doctorate in biostatistics, I have worked full-time in the field of dental research, particularly in periodontal research and oral health disparities research. In addition to applying statistical methods for correlated outcomes to dental data, I have also been involved in extending CART for survival to correlated outcomes to apply to large longitudinal dental databases for obtaining dental prognostic indicators. I also have been involved in designing randomized cluster clinical trials for dental research.

Education
Ph.D. (Biostatistics), University of Washington, Seattle, 1997
M.S. (Statistics), University of Tennessee, Knoxville, 1991
D.D.S. (Dentistry), University of Tennessee, Memphis, 1981
B.S. (Chemistry), University of Tennessee, Knoxville, 1976

Selected publications

Douglas W. Nychka
Director and Senior Scientist
Institute for Mathematics Applied to Geosciences
National Center of Atmospheric Research
Boulder Colorado

Contact Information
303-497-1711 - office Media Experts – April 2014 Page 50
Areas of Expertise
Spatial analysis of air pollutants • Statistical interpretation of climate models • Spatial patterns of climate • Uncertainty in climate projections and in climate statistics • Statistics for weather prediction

Brief Biography
Dr. Nychka is director of the Institute for Mathematics Applied to Geosciences and also a Senior Scientist in the Geophysical Statistics Project (GSP), where he was the project leader until 2006. His main task is to enrich the scientific and educational activity at NCAR through mathematical methods and models. He also uses the large scientific projects at NCAR to engage the mathematical science communities in new applications and to motivate new mathematics. Some current personal research interests are nonparametric regression (mostly splines), statistical computing, spatial statistics and spatial designs. Despite his original thesis work on splines and inverse problems, a 1994-1996 EPA grant to work at the National Institute of Statistical Sciences caused a change in course to increased interest in spatial statistics and Bayesian methods for curve and surface fitting. He also spent 14 enjoyable years as a faculty member in the Statistics Department at North Carolina State University. His most recent research interests are a mathematical statistics project with Eva Furrer on the large sample properties of geostatistics estimators and, with Bo Li and Caspar Ammann, on an application of inverse methods and hierarchical models to the reconstruction of past climate.

Education
Ph.D. (Statistics), University of Wisconsin – Madison, 1983
B.A. (Mathematics and Physics), Duke University, 1978

Selected publications

Robert L. (Bob) Obenchain
Principal Consultant, Risk Benefit Statistics LLC
Adjunct Professor, Biostatistics, IU Medical School, Indianapolis
Senior Research Adviser (Retired), US Medical Outcomes Research, Eli Lilly Media Experts – April 2014 Page 51
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Areas of Expertise
Nonrandomized / Observational Studies □ Pharmaceutical Risk Benefit □ Cost Effectiveness
Inference □ Robustness and Sensitivity □ Statistical Computing

Brief Biography
Dr. Bob Obenchain has held applied statistical research positions at AT&T Bell Labs, Holmdel, NJ (1969-1986), Glaxo (1986-1990) and Eli Lilly (1990-2007). He served as an Associate Editor of JASA Theory and Methods (1981-1985) and of the Journal of Biopharmaceutical Statistics (2001-2007). He also served as President of the Central Indiana chapter of ASA in 1993, 1997 & 2001 and is a Fellow of the ASA. His current statistical interests focus on evaluation of the safety, effectiveness and cost of marketed health care products. Traditional parametric models widely used in analysis of randomized clinical trials make strong assumptions that are frequently unrealistic in patient registry and claims database settings. Specifically, observational studies feature treatment selection bias (patient channeling), unobserved confounding factors (confusion about potential causality) and very large samples across heterogeneous patient subpopulations. Dr. Obenchain specializes in local, robust methods that detect patient differential response to treatment (evidence based medicine) via sensitivity analyses.

Education
PhD (Mathematical Statistics), University of North Carolina, Chapel Hill, 1969.
BS (Engineering Science), Northwestern University, distinction, 1964.

Selected publications
Obenchain RL. ICE preference maps: nonlinear generalizations of net benefit and acceptability. Health Serv Outcome Res Meth. 2008; DOI: 10.1007/s10742-007-0027-2 (www.springerlink.com free access.)
Areas of Expertise
Drug Abuse • Health Care Policy • Health Services Research • Medicare • Mental Health

Brief Biography
Susan Paddock is a senior statistician at the RAND Corporation and is Professor of Policy Analysis in the Pardee RAND Graduate School in Santa Monica, CA. She has been active in numerous studies in the areas of health care policy and drug policy, including quality of care for persons with co-occurring mental health & substance use disorders; Medicare payment policy; patient safety; and school-based drug prevention. Dr. Paddock’s statistical expertise includes Bayesian methods, missing data, and hierarchical methods applied to profiling.

Education
Ph.D. (Statistics), Duke University, 1999
M.S. (Statistics), Duke University, 1997
B.A., summa cum laude (Biostatistics & Mathematics), University of Minnesota, 1994

Selected Publications

David W. Peterson
Semi-Retired

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Areas of Expertise
• Use of Statistics in Litigation – How statistical evidence can be used to address aspects of disputes involving, e.g., employment discrimination, price collusion, high tech intellectual property, retirement benefits, jury selection or political redistricting. Media Experts – April 2014
• Forensic Decision Analysis – The objective determination of why past decisions were made the way they were.
• Political Redistricting – Reducing the politics in redistricting by making maximal use of existing city and county boundaries.

**Brief Biography**

After two years as an officer in the US Army Signal Corps at Ft. Monmouth, NJ, where he worked on various mathematical and computer simulation models, Dr. Peterson joined the faculty of the Graduate School of Management at Northwestern University, where he taught courses in operations research, statistics and computer applications. While affiliated with Northwestern, he and his family spent a year in West Berlin where he did research on a variety of topics related to mathematical and statistical modeling. Moving to Duke University’s business school as a full professor in 1974, he continued to teach and do research in areas related to mathematical and statistical modeling, and developed an interest in statistical methods for the detection and measurement of employment discrimination. Working with Walter B. Connolly, Jr., a Detroit labor attorney, he co-authored a book in 1980 on the use of statistics in equal employment opportunity litigation. That book continues in print, with updates every year or two. By 1979, the students involved in his consulting activities overflowed his home office and caused the formation and removal of PRI Associates, Inc. The firm assisted hundreds of legal teams, both plaintiff and defendant, with matters pertaining to the use of statistics in litigation, much of it related to employment discrimination allegations. The firm also handled a variety of other matters, providing affirmative action planning software and support, and the high-tech detective work necessary to prosecute or defend computer hardware and software infringement allegations. Taking adjunct status in the business school at Duke in 1984, Dr. Peterson subsequently joined the Duke statistics faculty, from which he retired in 1994. He then worked full time with PRI Associates (which merged into Peopleclick, Inc. in August 2000), retiring again in 2002. He continues to write and to work occasionally as an independent consultant.

**Education**

BS University of Wisconsin – Madison 1962  
MS Stanford University 1963  
PhD Stanford University 1965, all in Electrical Engineering

**Selected Publications**


**Walter W. Piegorsch** Media Experts – April 2014 Page 54
Professor and Chair Graduate Interdisciplinary Program (GIDP) in Statistics The University of Arizona

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Areas of Interest
Environment • Environmetrics • Risk Analysis • Statistics Education • History of Statistics

Brief Biography
Dr. Piegorsch’s research focuses on modeling and analysis for environmental data, with emphasis on environmental hazards and risk assessment. He has been supported for this work for 10 years by the U.S. National Cancer Institute and more recently by the U.S. Environmental Protection Agency. His interests also include ways to translate risk-analytic methodologies to other areas in public health, including geo-spatially referenced disaster informatics, multiple/simultaneous inferences for toxicological and genetic endpoints, and the historical development of statistical thought as prompted by problems in the biological and environmental sciences. For 2006-2008 he serves as Joint-Editor of the Journal of the American Statistical Association (Theory & Methods Section). Dr. Piegorsch has been honored as a Fellow of American Statistical Association (1995), a Member (by Election, 1995) of the International Statistical Institute, and has received the Distinguished Achievement Medal of the American Statistical Association Section on Statistics and the Environment (1993), and the University of South Carolina Educational Foundation Research Award for Science, Mathematics, and Engineering (2000).

Education
Ph.D. (Statistics), Cornell University, Ithaca, NY, 1984
M.S. (Statistics), Cornell University, Ithaca, NY, 1982
B.A. (Mathematics), magna cum laude, Colgate University, Hamilton, NY, 1979

Selected Publications


C. Shane Reese
Associate Professor Media Experts – April 2014 Page 55
Department of Statistics
Brigham Young University

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Areas/Topics of Expertise
Environmental issues • Reliability analysis • Sports

Brief Biography
Shane Reese’s research interests include Bayesian hierarchical models with applications to environmental problems, reliability, computer experiments, and sports. In addition, Dr. Reese has served on a National Academy of Science Committee on Test and Evaluation of Biological Standoff Detection Systems. He is the two-time winner of the Journal of the American Statistical Association Case Studies and Applications Paper of the Year. He has served twice as Chapter President (Utah and Albuquerque, NM Chapters) of the American Statistical Association. He is the winner of the BYU University Young Scholar Award and the Texas A&M University Department of Statistics Hartley Award honoring a Distinguished Alumnus.

Education
Ph.D. (Statistics), Texas A&M University, 1999
M.S. (Statistics), Brigham Young University, 1955
B.S. (Statistics), Brigham Young University, 1994

Selected publications

Jerome Reiter
Department of Statistical Science
Duke University

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Areas of Expertise
Confidentiality • Sports • Teaching • Statistical Disclosure • Privacy

Brief Biography
Jerry has been a member of the ASA Committee on Privacy and Confidentiality and two National Academy of Sciences panels related to confidentiality of data. He has been the Program Chair and Section Chair of ASA Section on Statistics in Sports. He received the Alumni Distinguished Undergraduate Teaching Award from Duke University in 2007. His primary research focus has been investigating statistical methods of preserving data confidentiality. More generally, he is interested in the analysis of complex surveys, especially missing data methods and causal inference.

Education

Selected publications
Reiter, J. P. (2004), "New approaches to data dissemination: A glimpse into the future (?)" Chance, 17:3 (Summer 2004), 12 - 16.

John Robinson
Healthcare Management and Statistical Consultant
John W. Robinson, M.D., Ph.D., LLC

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Areas of Expertise
Clinical trials • Data mining • Disease management • Evidence-based medicine • Managed care

Brief Biography
John Robinson is a healthcare management and statistical consultant who holds doctoral degrees in medicine, biostatistics, and health policy. For well over a decade he has served as a consultant to organizations involved in managed care, disease management, practice guideline development, and other aspects of healthcare delivery. He also serves as a faculty associate at the Johns Hopkins University Bloomberg School of Public Health, where he teaches clinical research methods to doctoral Media Experts – April 2014 Page 57
students and medical school faculty. He previously served as chief medical officer of a managed

care organization and practiced psychiatry in academic, public, and private practice settings.

**Education**

PhD (Biostatistics), Johns Hopkins University, 2005.

PhD (Health Policy and Management), Johns Hopkins University, 1996.

MD (Medicine), University of California, Los Angeles, 1980.

AB (Biochemistry), University of California, Berkeley, 1976.

**Selected publications**


Diagnostic Mix,” *Health Services Research* (OnlineEarly Articles). doi:10.1111/j.1475-

6773.2007.00761.x.


Model for Profiling Providers' Effects on Healthcare Charges," *Journal of the American

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Areas of Expertise  
Biostatistics • Meta-analysis • Bayesian inference • Clinical Trials • Statistical computation  
Brief Biography  
Dr. Schmid directs the concentration in biostatistics and epidemiology in Clinical Research at Tufts Sackler School of Biomedical Sciences. He has served as Program Chair for the Health Policy Statistics section of the ASA as well as Co-Chair of the 7th International Conference on Health Policy Statistics. He is Co-Editor of the new journal, Research Synthesis Methodology, and is statistical editor for the American Journal of Kidney Diseases. He has served on study sections with several US Federal agencies, is a member of the FDA Orthopaedic and Rehabilitation Devices Panels, consults with the European Medicines Agency and serves on the External Advisory Committee for ECRI. He has served on several data safety monitoring and steering committees for and consults extensively on clinical research with industry, academia and government. Major research interests include development and application of Bayesian models to clinical research, statistical methods and computational tools for meta-analysis, methods for combining and analyzing data from multiple clinical trials and clinical studies and methods for handling missing time-dependent data in longitudinal studies. Examples of recent work include the use of hierarchical Bayesian models for daily childhood growth, meta-analysis of heterogeneous data, meta-analysis of community-based N-of-1 trials, Bayesian approaches to sample size calculations, development of prediction equations for the glomerular filtration rate, clinical and genetic studies of chronic Lyme disease patients, and missing data methods in predictive models.  
Education  
PhD (Statistics), Harvard University, 1991  
A.M. (Statistics), Harvard University, 1987  
B.A. (Mathematics), Haverford College, 1983  
Selected publications  

**Bahman Shafii**  
Professor and Director  
Statistical Programs  
University of Idaho

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**Areas of Expertise**  
Biometrics □ Nonlinear modeling □ Statistical Computation □ Biological/Ecological Applications □ Experimental Design

**Brief Biography**  
Bahman Shafii, Ph.D. is Professor and Director of Statistical Programs, College of Agricultural and Life Sciences, University of Idaho. He is also an Adjunct Professor of Business. He has taught various statistical and mathematical courses at both undergraduate and graduate levels. Dr. Shafii has over 25 years of experience in statistical consultation. He has published over 100 refereed articles in statistical, agricultural, biological, and environmental journals.

**Education**  
B.S. (Agronomy/Agricultural Engineering), Rezaeyeh University, 1977.  
M.S. (Agricultural Economics), University of Idaho, 1980.  
Ph.D.: (Forest Biometrics), University of Idaho, 1988.

**Selected publications**  


Mack Clayton Shelley, II
Professor
Departments of Statistics and Political Science (Public Policy and Administration Program)
Iowa State University

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515-294-8346 or 515-294-1075 (Office)
mshelley@iastate.edu

Areas of Expertise
Elections and voting behavior • Aging • Polling • Program evaluation • Social science applications of statistical methods

Brief Biography
Mack Shelley is a University Professor of Statistics, Political Science, and Educational Leadership and Policy Studies at Iowa State. From 2003-2007 he served as Director of the Research Institute for Studies in Education, and from 1999-2007 was a Professor in the Department of Educational Leadership and Policy Studies. He has served as co-editor of the Policy Studies Journal (1993-2002), was a member of the Editorial Advisory Board for TESOL Quarterly (2003-05), and currently is Associate Editor of the Journal of Information Technology & Politics. His research, external funding, and teaching focus on statistical methods, public policy, and program evaluation. He has served as Co-Principal Investigator for the Iowa Department of Education on the “Iowa Positive Behavioral Supports for Children and Youth” and subsequent related awards, principal Investigator for an evaluation of the Early Reading First program for the Des Moines Independent Community School District, principal Investigator for the Iowa Department of Public Health and Center for Substance Abuse Prevention on analysis of tobacco sales for the Synar underage tobacco-cessation program, evaluator for the Iowa Department of Education on improving elementary science by connecting science inquiry and language arts, and an evaluator for the National Science Foundation project, “When Science and Literacy Meet: Creating Support for Teachers Implementing Writing in the Science Classroom.” He serves regularly as a statistical consultant for researchers, administrators, program staff, and students and has received awards for research, teaching, and professional practice.

Education
Ph.D. (Political Science) University of Wisconsin-Madison, 1977
M.S. (Economics) University of Wisconsin-Madison, 1973
B.A. (International Studies and Economics) American University, 1972

Selected publications
Citizens?,” pp. 159-173 in Birgit Jaeger (Ed.), Young Technologies in Old Hands—An International View on Senior Citizens’ Utilization of ICT. (Copenhagen, Denmark: DJØF, 2005).

**Yu Shyr, PhD**
Ingram Professor of Cancer Research, Vanderbilt University School of Medicine
Professor and Chief, Division of Cancer Biostatistics, Department of Biostatistics, Vanderbilt University School of Medicine
Director, Cancer Biostatistics Center, Vanderbilt-Ingram Cancer Center, Vanderbilt University School of Medicine

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**Areas of Expertise**
Cancer treatment/screening • Biopharm/clinical trials • Biostatistics • Data analysis/mining/monitoring

**Brief Biography**
In addition to the positions above, Dr. Shyr directs the Biostatistics Core for the NCI-funded Vanderbilt University Breast Cancer SPORE, GI Cancer SPORE, Lung Cancer SPORE, and other program projects. At Vanderbilt, he has collaborated on numerous biostatistical projects, assisted investigators in developing clinical research protocols, collaborated on several grants funded through external peer-reviewed mechanisms, and developed several biostatistical methodology papers. Dr. Shyr has delivered more than 150 abstracts at professional meetings and published more than 200 peer-reviewed papers in a variety of journals. He currently serves as a member of the NCI Developmental Therapeutics Study Section, as well as on the SPORE review panel. Dr. Shyr’s current research interests lie in developing and analyzing predictive models of the statistical relationships between multiple-variable protein and RNA expression data and clinical endpoints using both supervised and unsupervised classification and pattern recognition approaches, in which researchers focus on analyses of gene expression array and protein expression profile data to identify the molecular “fingerprint” of different types of cancers.

**Education**
Ph.D. (Biostatistics), University of Michigan, Ann Arbor, 1994
M.S. (Statistics), Michigan State University, 1989
B.B. (Statistics), Tamkang University (Taiwan), 1985

**Selected publications**


Steve Simon  Research Biostatistician  Children's Mercy Hospital  Kansas City, MO 64108
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816-234-3963  ssimon@cmh.edu
Areas of Expertise
Evidence-Based Medicine • Medical diagnostic tests • Pediatric research • Research ethics
Brief Biography
Steve Simon has provided statistical consultation on a wide range of pediatric research studies at Children's Mercy Hospital in Kansas City, MO. He previously supervised a small group of Statisticians and Programmers at the National Institute for Occupational Safety and Health. He is the author of a book, Statistical Evidence in Medical Trials, that discusses how to evaluate claims made in the medical journals. He is also the creator of the StATS website (Steve's Attempt to Teach Statistics, www.childrensm mercy.org/stats/) which includes more than one thousand pages of information about Statistics, Research Ethics, and Research Methodology. On these web pages are the likelihood ratio slide rule, a tool to help clinicians make intelligent recommendations about diagnostic test results, and a short guide offering practical advice about diagnostic tests.

Education
Ph.D. (Statistics), University of Iowa, 1982  M.S. (Statistics), University of Iowa, 1978  B.A. (Mathematical Sciences), University of Iowa, 1977
Selected publications
Is the randomized clinical trial the gold standard of research? Stephen D Simon. Journal of Andrology 2001: 22(6); 938-43.

Nozer D. Singpurwalla
Professor of Statistics and Professor of Decision Sciences
Statistics and Decision Sciences
The George Washington University Media Experts – April 2014 Page 63
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Areas of Expertise
Risk Analysis • Reliability • Bayesian Statistical Methods

Brief Biography
Nozer D. Singpurwalla has been Visiting Professor at Carnegie-Mellon University, Stanford University, the University of Florida at Tallahassee, and the University of California at Berkeley. During Fall 1991, he was the first C. C. Garvin Visiting Endowed Professor in the Mathematical Sciences at the Virginia Polytechnic Institute and State University. He is Fellow of the Institute of Mathematical Statistics, the American Statistical Association, and the American Association for the Advancement of Science, and he is an elected member of the International Statistical Institute. He is the 1984 recipient of the U.S. Army's S. S. Wilks Award for Contributions to Statistical Methodologies in Army Research, Development and Testing, and the first recipient of The George Washington University's Oscar and Shoshana Trachtenberg Prize for Faculty Scholarship. He has coauthored a standard book in reliability and has published 157 papers on reliability theory, warranties, failure data analysis, Bayesian statistical inference, dynamic models and time series analysis, quality control and statistical aspects of software engineering. In 1993 he was selected by the National Science Foundation, the American Statistical Association and the National Institute of Standards and Technology as the ASA/NIST/NSF Senior Research Fellow. In 1993 he was awarded a Rockefeller Foundation Grant as a Scholar in Residence at the Bellagio, Italy Center.

Education
Ph.D. New York University, 1968 M.S. Rutgers University, 1964 B.S. B.V.B. College, India, 1959

Selected publications

Richard L. Smith
Distinguished Professor of Statistics
Statistics and Operations Research Organization
University of North Carolina, Chapel Hill Media Experts – April 2014 Page 64
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Areas of Expertise
Statistical aspects of climate change • Health effects of air pollution and climate change
Financial and insurance risk • Bayesian statistics • Time series.

Brief Biography
Richard L. Smith has been Professor of Statistics at the University of North Carolina, Chapel Hill, since 1991, and became Mark L. Reed III Distinguished Professor in July, 2004. Since 2008, he also holds the position of Professor of Biostatistics in the School of Public Health. He obtained his PhD from Cornell University in 1979 and has previously held academic positions at Imperial College (London), the University of Surrey (Guildford, England) and Cambridge University. He is a Fellow of the American Statistical Association and the Institute of Mathematical Statistics, an Elected Member of the International Statistical Institute, and has won the Guy Medal in Silver of the Royal Statistical Society, and the Distinguished Achievement Medal of the Section on Statistics and the Environment, American Statistical Association. In 2004 he was the J. Stuart Hunter Lecturer of The International Environmetrics Society (TIES). He is also a Chartered Statistician of the Royal Statistical Society.

Education

Selected publications

Dr. Howard N. Snyder
Director of Systems Research
National Center for Juvenile Justice
Pittsburgh, Pennsylvania

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412-227-6950
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Areas of Expertise
Juvenile crime and juvenile justice statistics and research

Brief Biography
Dr. Howard Snyder has been the Director of Systems Research at the National Center for
Juvenile Justice since 1981. For more than 25 years he also has served as the Director of the
National Juvenile Court Data Archive. His research has focused on the nature of violent crime by
and against juveniles, differences in the daily cycles of violent crime, juvenile suicide
characteristics and trends, age and racial bias at arrest, the developmental structure of juvenile
delinquent careers, racial and gender disparity in justice system processing, juvenile transfers to
criminal court, and international differences in juvenile crime and justice systems. In
collaboration with many colleagues, his publications have provided an accurate understanding of
juvenile crime and victimization and the activities of the juvenile justice system. He has
pioneered efforts to disseminate this valuable information via printed reports and the Internet to
the media and the general public. He was honored in 1998 by the U.S. Department of Justice
with its Award for Achievement for Service to Families and Children, in 2004 by the National
Juvenile Court Services Association with its Outstanding Achievement Award, and for his
lifetime contribution to research by the American Correctional Association with its Peter P.
Lejins Research Award. In 2001 he assumed the Maurice B. Cohill Jr. Juvenile Justice Policy
Research Chair at NCJJ. He served for four years as Chair of the American Correctional
Association’s Research Council and is currently the Chair of the American Statistical
Association’s Committee on Law and Justice Statistics.

Education
Ph.D. (Social Psychology) University of Pittsburgh, Pittsburgh, PA, 1981
M.S. (Social Psychology) University of Pittsburgh, Pittsburgh, PA, 1977
B.S. in Physics and Mathematics, Westminster College, New Wilmington, PA, 1968

Selected publications
Snyder, H. and Sickmund, M. Juvenile Offenders and Victims: 2006 National
Prevention, 2006.
Snyder, H. Juvenile Arrests 2006. Washington, DC: U.S. Department of Justice, Office of
Snyder, H. Is Suicide More Common Inside or Outside of Juvenile Facilities? Corrections
Snyder, H. Gray rage: A researcher’s dilemma. Journal of the Center for Families, Children &
Snyder, H. Sexual Assaults of Young Children as Reported to Law Enforcement: Victim,
Incident, and Offender Characteristics. Washington, DC: U.S. Department of Justice, Bureau of

Patrick D. Spagon
Chief Scientist
One Technologies
http://onetechnologies.net

Contact Information
512-970-7846 Media Experts – April 2014 Page 66
Areas of Expertise
Quality Improvement • Six Sigma Methodology • Practical Experimental Design • Basic Statistics for the Average Citizen

Brief Biography
Dr. Spagon is responsible for driving the development of One Technologies’ statistical and analytical tools. His experience in Six Sigma and applied statistical methods provides OT with ongoing business process improvement leadership and statistical process control. Prior to OT, Pat was a master consultant with Six Sigma Academy where he trained and coached master black belts, black belts and green belts and was a company-wide resource for statistical methods. At Motorola, Pat was Six Sigma Practice Leader and Senior Consultant on statistical methods.

Education
Ph.D. (Industrial Engineering), Stanford University, 1981
M.S. (Electrical Engineering), UC Berkeley, 1969
B.S. (Electrical Engineering), University of Arizona, 1968

Selected publications
2000 -- Capability Indices for Non-Normal Data, Quality Engineering, Vol. 12, No. 4, June 2000, pp. 489-495

James C. Spall
Principal Professional Staff The Johns Hopkins University Applied Physics Laboratory

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Areas of Expertise
Mathematical modeling and estimation • Optimization • Control theory • Mathematical algorithms • Part-time graduate education in mathematics

Brief Biography
James C. Spall is a member of the Principal Professional Staff at the Johns Hopkins University (JHU), Applied Physics Laboratory (Laurel, MD) and a Research Professor in the JHU Department of Applied Media Experts – April 2014 Page 67
Mathematics and Statistics (Baltimore, MD). He is also Chair of the Applied and Computational Mathematics Program within the JHU Engineering and Applied Science Programs for Professionals. He has developed statistical and control methodology for use in analyzing large-scale defense and transportation systems. He has performed research in the areas of dynamic systems, mathematical model building and parameter estimation, system optimization, Kalman filtering, neural networks, and general Bayesian analysis. Dr. Spall has published many articles in the areas of statistics and control and holds two U.S. patents (both licensed) for inventions in control systems. He is the editor and coauthor for the book *Bayesian Analysis of Time Series and Dynamic Models* (Marcel Dekker [now CRC Press], 1988) and is the author of *Introduction to Stochastic Search and Optimization* (Wiley, 2003). He is an Associate Editor at Large for the *IEEE Transactions on Automatic Control* and a Contributing Editor for the *Current Index to Statistics*. Dr. Spall has received numerous research and publications awards and is a Fellow of IEEE.

**Education**
Ph.D. (Systems Engineering) University of Virginia, 1983.
B.S. (Systems Engineering), Oakland University, 1979 (top graduate in School of Engineering).

**Selected publications** (complete list at [www.ams.jhu.edu/~spall/Personal/index.htm](http://www.ams.jhu.edu/~spall/Personal/index.htm))

**Terence P. Speed**
Professor, Department of Statistics
University of California, Berkeley

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510-642-2781
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**Areas of Expertise**
Genetics • Bioinformatics • Computational Biology

**Brief Biography**
Terry Speed splits his time between the Department of Statistics at the University of California, Berkeley and the Walter & Eliza Hall Institute of Medical Research (WEHI) in Melbourne, Australia. Media Experts – April 2014 Page 68
Originally trained in mathematics and statistics, he has had a life-long interest in genetics. After teaching mathematics and statistics in universities in Australia and the United Kingdom, and a spell in Australia's Commonwealth Scientific and Industrial Research Organization, he went to Berkeley 20 years ago. Since that time, his research and teaching interests have concerned the application of statistics to genetics and molecular biology. Within that subfield, eventually to be named bioinformatics, his interests are broad, including biomolecular sequence analysis, the mapping of genes in experimental animals and humans, and functional genomics. He has been particularly involved in the low level analysis of microarray data. Ten years ago he took the WEHI job, and now spends half of his time there, half in Berkeley, and the remaining half in the air somewhere in between.

**Education**
Dip. Ed., Ph.D., Monash
B.Sc. (Honors) Melbourne

**Selected Publications**

**Robert R. Starbuck, PhD**
Assistant Vice President (retired)
Clinical Development
Wyeth

**Contact Information (please DO NOT contact directly; contact Rosanne at ASA)**
610-296-3756
RRS49@comcast.net

**Areas of Expertise**
Clinical trials

**Brief Biography**
Dr. Starbuck’s career as statistician and manager in the pharmaceutical industry spans 30 years, October 1977 through April 2008. He has led various departments, including statistics, SAS programmers, data managers, medical writers, and field monitors. He also served on internal clinical Media Experts – April 2014 Page 69
development and clinical protocol review committees from March 1985 through April 2008. Dr. Starbuck is an ASA Fellow.

**Education**

BS Mathematics, Miami University, 1971  
MS Statistics, NC State University, 1972  
PhD Statistics, NC State University, 1975

**Selected publications**


**Philip B. Stark** Professor Dept. of Statistics University of California, Berkeley  
**Contact Information** 510-642-1430 stark@stat.berkeley.edu

**Areas of Expertise** Census • Elections • Internet filtering & Pornography • Law/Litigation • Physical science

**Brief Biography** Prof. Stark has been on the Statistics faculty at the University of California, Berkeley, since 1988. He is also a faculty member in the Designated Emphasis in Computational Science and Engineering. He was a National Science Foundation Postdoctoral Fellow in Mathematical Sciences, a Presidential Young Investigator, and a Miller Research Professor. He belongs to the American Statistical Association, the Bernoulli Society for Mathematical Statistics and Probability, and the Institute for Mathematical Statistics. He is a fellow of the Royal Astronomical Society and of the Institute of Physics. He has been on the editorial board of journals in statistics, physical science and applied mathematics. He has written roughly 90 articles and technical reports and an introductory Statistics textbook, and has given about 130 invited lectures at scientific conferences and universities in seventeen countries. Stark has testified to the U.S. House of Representatives Subcommittee on the Census and the California Senate Natural Resources Committee. He has consulted for the U.S. Department of Justice, the Federal Trade Commission, the U.S. Department of Agriculture, the U.S. Census Bureau, the U.S. Attorneys Office of the Northern District of California, the California Secretary of State, the U.S. Department of Veterans Affairs, the Los Angeles County Superior Court, the National Solar Observatory, public utilities, major corporations, and numerous law firms. He has been an expert witness or non-testifying expert in cases.
involving antitrust, consumer class actions, employment discrimination, equal protection, fairness in lending, federal legislation, insurance, intellectual property, product liability, risk assessment, trade secrets, truth in advertising, wage and hour litigation, securities trading, and other matters.

**Education**

Ph.D. (Earth Science), University of California, San Diego, California, 1986

B.A. (Philosophy), Princeton University, Princeton, New Jersey, 1980

**Selected publications**


**Hal Stern**

Professor and Chair

Department of Statistics

University of California, Irvine

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949-824-1568

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**Areas of Expertise**

Bayesian statistical methods • Sports

**Brief Biography**

Hal Stern is Professor and Founding Chair of the Department of Statistics at the University of California, Irvine (UCI). His research interests include: assessing the fit of statistical models, combining information using Bayesian methods, applications of statistics in the social and biological sciences, and statistics in sports. He is a Fellow of the American Statistical Association. Dr. Stern received a B.S (1981) degree in mathematics from the Massachusetts Institute of Technology and an M.S. (1985) and a Ph.D. (1987) degree in statistics from Stanford University. Prior to his appointment at UCI, he was Professor of Statistics and Laurence H. Baker Chair in Biological Statistics at the Department of Statistics, Iowa State University. He also served as Interim Director of the interdisciplinary Laurence H. Baker Center for Bioinformatics and Biological Statistics at Iowa State University from 2000-2002. He was on the faculty at Iowa State from 1994-2002 and prior to that served on the faculty at Harvard University. Media Experts – April 2014 Page 71
Education
Ph.D. (Statistics), Stanford University, 1987
M.S. (Statistics), Stanford University, 1985
B.S. (Mathematics), MIT, 1981

Selected publications

Don L. Stevens, Jr.
Statistics Department
Oregon State University

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541-737-3587
stevens@science.oregonstate.edu

Areas of Expertise
Environmental statistics, especially monitoring and assessing condition of environmental resources (water, air, fish, forests, etc.) at large scales (statewide or nationwide).

Brief Biography
Don Stevens grew up in the Pacific Northwest and California. After earning a PhD in Statistics, he worked for Battelle Pacific Northwest Laboratories for 10 years. There he worked on issues related to nuclear reactor safety, and quantifying the risk of chronic exposure to low-levels of toxicants and carcinogens. After leaving Battelle, he joined the faculty at Eastern Oregon State University, where he was Area Coordinator for Mathematics and Computer Science. He began working with the USEPA as a cooperating researcher on environmental sampling during the National Acid Precipitation Assessment Program (1985-1990) and then spent over a decade engaged in developing the statistical sampling theory supporting the USEPA’s Environmental Monitoring and Assessment Program’s spatially balanced probability sampling. In 2001 he moved to Oregon State University, where he directed the Program on Designs and Models for Aquatic Resource Surveys. He is currently a Senior Research Associate Professor at OSU. He teaches an occasional class, supervises graduate students, researches spatial sampling design, and consults on monitoring design issues with multiple states, federal agencies, and the Confederated Tribes of the Warm Springs Reservation.
Education
Ph.D., Statistics, Oregon State University, Corvallis, Oregon
M.S., Mathematics, University of Dayton, Dayton, Ohio
B.S., Mathematics, Antioch College, Yellow Springs, Ohio

Selected publications

Michael A. Stoto, PhD
Professor of Health Systems Administration and Population Health
Health Systems Administration
Georgetown University

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202-687-3292
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Areas of Expertise
Systematic reviews/meta-analysis • Comparative effectiveness research • Evaluation methods in public health • Performance measurement • Public health surveillance

Brief Biography
Michael A. Stoto, PhD, a Professor of Health Systems Administration and Population Health at Georgetown University, is currently a Senior Scholar in Residence at AcademyHealth. A statistician, epidemiologist, and health services researcher, Dr. Stoto’s research includes methodological topics in epidemiology and statistics including research synthesis/meta-analysis and other analytical methods for comparative effectiveness research, community health assessment, evaluation methods, and performance measurement. His substantive research interests include public health practice, especially with regard to emergency preparedness; drug and vaccine safety; infectious disease policy; and ethical issues in research and public health practice. Before coming to Georgetown on a full-time basis in August 2006, Dr. Stoto was a Senior Statistician at the RAND Corporation and the Associate Director for Public Health in the Center for Domestic and International Health Security. He previously served as the director of the Institute of Medicine’s (IOM), Board on Health Promotion and Disease Prevention. Dr. Stoto is also an Adjunct Professor of Biostatistics at the Harvard School of Public Health and an adjunct faculty member of the Georgetown Public Policy Institute. He previously served Media Experts – April 2014 Page 73

Dr. Stoto is a recognized expert on population health and public health assessment. He is a co-editor of the 1997 IOM report Improving Health in the Community: A role for performance monitoring. His work in this area has included systems-oriented evaluations of public health surveillance systems at the local to global level, addressing both statistical methods and public health practice issues. Dr. Stoto has developed methods for evaluating community health assessments and performance measures and worked with state and local health departments, especially in the Washington DC metropolitan area, to implement these methods. He served on the National Quality Forum’s Population Health Steering Committee, and was a member of AcademyHealth’s Population Health Advisory Committee.

Dr. Stoto is also an expert in public health systems research (PHSR), focusing on applying and developing rigorous mixed-methods approaches to studying and evaluating federal, state, and local public health systems. He currently chairs AcademyHealth’s PHSR Interest Group and its methods advisory committee. Much of Dr. Stoto’s recent PHSR work has focused on public health emergency preparedness, and he is the co-Principal Investigator of the CDC-funded Preparedness and Emergency Response Research Center based at the Harvard School of Public Health. Dr. Stoto’s work in this area has focused on regionalization in public health, the evaluation of biosurveillance methods, and the development of methods for assessing emergency preparedness capabilities based on exercises and actual events. He is currently editing a volume on the public health system response to the 2009 H1N1 pandemic.

Education
AB in Statistics, Princeton University, 1975
PhD in Statistics, Harvard University, 1979

Selected publications


David A. Swanson
Professor
Sociology
University of California Riverside

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Areas of Expertise
Applied Demography • Population Estimation and Forecasting • Decennial Census and the American Community Survey • Population Impacts of Disasters

Brief Biography
David A. Swanson has over 30 years of experience in applied demography. He is a member of the U. S. Census Bureau’s Advisory Committee for Professional Associations and served as the Dean of the Mikkeli Campus of the Helsinki School of Economics from 1999 to 2003. From 2003 to 2007 he was chair of the Department of Sociology and Anthropology at the University of Mississippi. He also has served as: the Program Organizer for the 2007 Applied Demography Conference; Publications Officer (2001-2) for the Government Statistics Section, American Statistical Association; Chair of the Applied Demography Committee of the Population Association of America (2000-1); Secretary-Treasurer of the Southern Demographic Association (1995-7 and 2003-7); and the editor of Population Research and Policy Review (2004-7). He has authored or co-authored over 60 refereed journal articles, mainly dealing with demography, especially methods for doing small area estimation and forecasting. He has provided oral and written testimony before the oversight hearing of the House Government Reform Subcommittee on Federalism and the Census, Washington, DC. September 6, 2006 and the Nuclear Regulatory Commission’s Advisory Committee on Nuclear Waste, September 25, 1997, Las Vegas, Nevada. He was the Principal Investigator on the study, “Perceptions of Disaster Relief and Recovery: Analyzing the Importance of Social and Kinship Networks among Hurricane Katrina Refugees on the Mississippi Gulf Coast,” which was funded by the National Science Foundation.

Education
Ph.D. (Sociology/Population Studies) University of Hawai'i, 1985
M.A. (Sociology/Population Studies) University of Hawai'i, 1976
Graduate Diploma (Social Sciences) University of Stockholm, 1974
B.Sc. (Sociology, minor in mathematics) Western Washington State College, 1972

Selected Publications
State and Local Population Projections: Methodology and Analysis, Co-Author with Stan Smith and Jeff Tayman, (2001)
Peter F. Thall
Professor
Department of Biostatistics
M.D. Anderson Cancer Center

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713-794-4162
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Areas of Expertise
Bayesian statistics • Biostatistics • Cancer treatment • Clinical trials • Dynamic treatment regimes

Brief Biography
Peter F. Thall is the Anise J. Sorrell Professor in the Department of Biostatistics at M.D. Anderson Cancer Center. He is an author of over 140 papers and book chapters in the statistical and medical literature. During the past 18 years, he has designed over 300 clinical trials in numerous areas of oncology, including leukemia, sarcomas, stem cell transplantation, prostate cancer, kidney cancer, and brain tumors, as well as trials for rapid treatment of stroke. His research areas include Bayesian statistics, clinical trial design and dynamic treatment regimes. He has presented over 110 invited talks at national and international conferences, academic institutions and federal agencies, and given 16 short courses on statistical methods for clinical trial design and analysis. He has served as an associate editor (AE) of Journal of the National Cancer Institute and Statistics in Medicine, and currently is an AE of Biometrics and Clinical Trials.

Education
Ph.D. (Statistics) Florida State University, 1975
M.S. (Statistics) Florida State University, 1973
B.S. (Mathematics) Michigan State University, 1967

Selected publications

Joan Lee Turek
Senior Economist
Department of Health & Human Services
Office of the Assistant Secretary for Planning and Evaluation Media Experts – April 2014 Page 76
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Areas of Expertise
Disability (can refer to correct person) • Income Measurement • Poverty

Brief Biography
Dr Turek received her doctorate in economics from Yale University in 1969. She has been employed in the Office of the Assistant Secretary for Planning and Evaluation (ASPE), Department of Health and Human Services (HHS) since 1972 and in her current position as Senior Economist in the Office of Science and Data Policy since the winter of 2004. She managed ASPE=s technical support operation for over 25 years. Dr. Turek was a recipient of the Secretary=s award for Distinguished Service as a member of the team preparing the 2003 HHS accountability report She currently chairs the American Statistical Association=s Committee on Statistics and Disability.

Education
BA (Economics), University of Connecticut
MA and Ph.D. (Economics), Yale

Jessica Utts
Chair and Professor
Department of Statistics
University of California/Irvine

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Areas of Expertise
Biostatistics • Health and medicine • Lotteries • Applications of statistics to parapsychology, epidemiology, complementary and alternative medicine, coincidences and luck • Statistics education

Brief Biography
Jessica Utts is a Professor of Statistics at the University of California, Davis. She is known internationally for her work in two areas – statistics education and the statistical examination of research in parapsychology, the study of alleged psychic phenomena. An award-winning teacher, she has published three statistics textbooks, with an emphasis on statistical literacy, and developed the online statistics course called CyberStats, serving as editor-in-chief. She participated in the Advanced Placement Statistics Program for 10 years, serving on the Development Committee from 1997 (the first year the exam was given) until 2003, and as Chair of the Committee for the last three years of this service. She is an advocate for the idea that all educated citizens should understand how statistical studies are conducted and interpreted, and writes and speaks frequently on this and related topics. In the area of parapsychology, she has published both critical and favorable reviews of research. In 1995 she was one of two experts who reviewed the previously classified US government research on “remote viewing” for the U.S. Congress; this review led to numerous media appearances including Larry King Live, CNN Morning News and ABC Nightline. Professor Utts is a Fellow of the American Statistical Association, the American Association for the Advancement of Science, the Institute of
Education
Ph.D. (Statistics) Pennsylvania State University, 1978
MA (Statistics) Pennsylvania State University, 1975
BA (Math, Psychology) State University of New York at Binghamton, 1973

Selected publications

Lance Waller
Professor
Biostatistics Department
Rollins School of Public Health, Emory University

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Areas of Expertise
Disease clusters • Spatial Statistics • Environmental Health • Disease Ecology • Epidemiology

Brief Biography
Lance A. Waller is professor in the Department of Biostatistics, Rollins School of Public Health, Emory University. His academic interests revolve around applications of spatial statistics and involve the assessments of environmental justice, environmental health, the spatial clustering of disease cases, the spatial distribution of nerve fibers in the skin, the geographic spread of raccoon rabies, ecological models for alcohol epidemiology, and nesting patterns of endangered sea turtles along the coast of Florida. He has published in a variety of biostatistical and statistical journals on issues relating to spatial modeling and inference and is co-author with Carol Gotway of the text Applied Spatial Statistics for Public Health Data (2004, John Wiley and Sons). Professor Waller is a Fellow of the American Statistical Association and the 2004 recipient of the Abdel El-Shaarawi Young Researcher’s Award from the International Environmetrics Society.

Education
B.S. (Mathematics) New Mexico State University, 1986

Selected publications


**William W.S. Wei**
Professor
Department of Statistics
Temple University

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215-204-8459
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**Areas of Expertise**
Time series analysis and forecasting □ Applications of statistics in business and economics □ Statistics education.

**Brief Biography**
Dr. Wei is has been on the Temple University faculty since 1974. From 1982-87, he was the Chair of the Department of Statistics at Temple University. He has developed new methodology in seasonal adjustment, aggregation and disaggregation, outlier detection, robust estimation, and vector time series analysis. Some of his most significant contributions include extensive research on the effects of using aggregate data and methods of measuring information loss due to aggregation. He is a Fellow of the ASA, a Fellow of the RSS, an Elected Member of the ISI, and the 2002 President of ICSA. He is an Associate Editor of the *Journal of Forecasting* and the *Journal of Applied Statistical Science*.

**Education**
Ph.D. (Statistics), University of Wisconsin-Madison, 1974
M.S. (Statistics), University of Wisconsin-Madison, 1972
B.A. (Mathematics), University of Oregon, 1969
B.A. (Economics), National Taiwan University, 1966

**Selected publications**


**Bruce S. Weir**
Professor and Chair, Department of Biostatistics
University of Washington

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**Areas of Expertise**
Statistical Genetics (including forensic applications)

**Brief Biography**
Bruce Weir received undergraduate training in New Zealand and then graduate training in statistics and genetics at North Carolina State University. He was a faculty member in the Department of Statistics at NC State from 1976 through 2005. While there he established the annual Summer Institute in Statistical Genetics (now in its 13th year) and he was founding Director of the Bioinformatics Research Center. Since 2006 he has been Professor and Chair in the Department of Biostatistics at the University of Washington. He directs the Coordinating Center for Whole Genome Association Studies within the NIH Genes and Environment Initiative.

**Education**
Postdoc (Genetics), UC Davis, 1969
Ph.D. (Statistics), NC State University, 1968

**Selected publications**

Page 80
Martin Wells
Charles A. Alexander Professor, Department of Statistical Science
Dept. of Biological Statistics & Computational Biology
Dept. of Social Statistics
Cornell University Law School
Clinical Epidemiology & Health Services Research, Weill Medical School

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Areas of Expertise
Crime • Census • Health and Medicine • Medical product safety • Law • Social science applications of statistical methods

Brief Biography
Martin T. Wells, Ph.D., joined the Cornell faculty in 1987 and is the Charles A. Alexander Professor of Statistical Sciences, Professor and Chair of both the Department of Biological Statistics and Computational Biology and the Department of Statistical Sciences at Cornell University. He is also a Professor of Social Statistics, Professor of Clinical Epidemiology and Health Services Research at Weill Medical School, an Elected Member of the Cornell Law School Faculty, as well as the Director of Research in the School of Industrial and Labor Relations. He teaches statistical methodology to undergraduate and graduate students in fields such as agriculture, biology, epidemiology, finance, law, medicine, nutrition, social science, and veterinary medicine as well as graduate courses in statistics. He has served on high-level national statistical committees, and has published many articles in leading statistical journals. His empirical legal studies have appeared in leading legal publications, and cover civil rights, finance, punitive damages, judge and jury trials, and the death penalty. He is also the Editor in Chief of ASA-SIAM Series on Statistics and Applied Probability, Co-Editor of The Journal of Empirical Legal Studies, and served as the Editor of The Journal of the American Statistical Association-Reviews. He is a Fellow of the American Statistical Association and the Royal Statistical Society.

Education
Ph.D. (Mathematics) University of California, 1987
M.A. (Mathematics, Statistics) University of California, 1984
B.A. (Mathematics, Psychology) California State University, 1983

Selected publications
Peter H. Westfall
Horn Professor of Statistics
Information Systems and Quantitative Sciences
Texas Tech University
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Areas of Expertise
General probability and statistics theory and methods • Controversies in statistics • Science and Statistics
Brief Biography
Fellow, The American Statistical Association
Fellow, The American Association for the Advancement of Science
Former editor, The American Statistician
Education
Ph.D., Statistics, University of California at Davis, 1983.
Selected publications
Jeffrey Witmer
Professor, Mathematics Department
Oberlin College
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Areas of Expertise
Statistics Education • Decision Theory Media Experts – April 2014
Brief Biography
Oberlin College faculty member since 1986; Acting Dean of Arts and Sciences 2004-5, 2006-8; Fellow of ASA

Education
PhD (Statistics), University of Minnesota, 1983
B.S. (Mathematics - With Honors), University of Wisconsin-La Crosse, 1979

Selected publications

Janet Wittes, PhD
President
Statistics Collaborative, Inc.

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202-247-9700
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Areas of Expertise
Clinical trials • Interim analysis • Drug safety • Vaccines

Brief Biography
Dr. Wittes founded Statistics Collaborative in 1990. Previously, she was Biostatistician, Veterans Affairs Cooperative Studies Program (1989–90); Chief, Biostatistics Research Branch, National Heart, Lung, & Blood Institute (1983–89); and faculty member, Department of Mathematical Science, Hunter College of the City University of New York. The monograph, “Statistical Monitoring of Clinical Trials – A Unified Approach” by Proschan, Lan, and Wittes, deals with sequential trials. Her research has focused on design of randomized clinical trials, capture-recapture methods in epidemiology, and sample size recalculation. She has served on a variety of advisory committees and data monitoring committees for government and industry. She was a member of FDA’s Circulatory System Devices Panel (1999–03) and has been a member of several ad hoc FDA Advisory Panels. She is a Fellow of the American Statistical Association, the Society for Clinical Trials, the AAAS, and an elected member of the International Statistical Institute. She was Editor in Chief of Controlled Clinical Trials (1994-98). In 2006, she received the Janet L. Norwood Award for Outstanding Achievement by a Woman in the Statistical Sciences. Media Experts – April 2014 Page 83
Education
Ph.D. (Statistics), Harvard University
A.B. (Mathematics), Radcliffe College

Selected publications

Donald Ylvisaker
Emeritus Professor, Department of Statistics
UCLA

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Areas of Expertise
Lotteries • Transportation • Census • Law

Brief Biography
The early part of Dr. Ylvisaker’s career was spent in research and teaching, with stints at Columbia, NYU, the University of Washington, and UCLA. His interests have migrated to more applied matters over the past 30 years, including major involvements with two state lotteries, the Census Bureau, a variety of law firms, transportation companies, and other businesses. He has been the Consulting Editor of *Statistica Sinica* for the past 10 years, has served on other editorial boards, and on a number of professional society committees. Dr. Ylvisaker is a Fellow of the American Statistical Association and of the Institute of Mathematical Statistics.

Education
M.A. (Mathematics), University of Nebraska, 1956
B.A. (Mathematics & Economics), Concordia College, 1954

Selected publications
“Counting the homeless in Los Angeles County” (with Berk and Kreigler), to appear in the David Freedman Festschrift.