Committee Minutes for the
Committee on Applied Statisticians

Committee: Committee on Applied Statisticians (CCNARS02)

Submission Date: 07/23/2010

Submitted by: Heather J. Litman

Meeting Name: July 2010

Meeting Date: 07/21/2010

Attendees: Jennifer, Barbara, Gordon, Amarjot, Erin, Jack, Greg, Holly, Marlene, Heather

Minutes:

Attachment (s): July 2010 Minutes   JSM2010 CAS handout for social mixer   JSM2010 CAS supported activities   JSM2010 invite to CAS social mixer   JSM2010 talking points for social mixer

CCNARS02_2010_07_21_Minutes.pdf

**Committee on Applied Statisticians
Agenda
July 21, 2010**
12:00 to 1:00pm EST
>	The phone number for the teleconference is
>>		1-800-250-2600
>	The passcode for committee members is
>>		828606

Minutes: Heather

Next meeting August 18, 2010.

Attendees:
Jennifer, Barbara, Gordon, Amarjot, Erin, Jack, Greg, Holly, Marlene, Heather

Regrets:

Minute rotation
January: Jennifer
February: Lei
March: Gordon
April (face to face): Jennifer
May: Erin
June: Jennifer
July: Heather
August: Amarjot
September: Marlene
October: Barbara
November/December: Amarjot

CAS membership
Welcome to new members Jack Nyberg and Greg Goodwin. Each member introduced themselves.

Membership Council
Holly Shulman from the Membership Council joined us. Holly introduced herself and provided brief overview on role of Membership Council. Mentor program was mentioned and was given priority, but there were no other updates regarding it.

JSM 2010 (Vancouver):
- **Erin, Gordon, Amarjot, Jennifer, Lei, Marlene, Ying, Jack to attend**

- List of all CAS sponsored activities in the JSM program.
- Draft language which can be adapted to invite others to the social mixer. Check out the response from the Biopharm section!
- Social Mixer!

- Last year, had many enthusiastic people and overall went well!
- This year, Erin to have a list for sign-up for master's notebook articles.
- SAS again to provide door prizes for mixer (thanks Ying!)
- Supporting documents for the social mixer
  - Talking points (draft) See email July 13.
  - Handout (draft) See email July 13.
  - Brent James handout (final) (Keith to provide copies for JSM)
  - Four Master's Notebook Articles (Keith to provide copies for JSM)
- Poster – Marlene has drafted. Goal is to have mini copies available at social mixer for attendees to take away.
- Roundtables – Eileen's one got cancelled, but others are occurring.
- Informal meeting of CAS members who are going to JSM (?breakfast) – Jennifer to coordinate.

Master's Notebook Articles

Jack's article was published in June. Piece in July was Erin's – hiring article – got lots of hits! Next month, Rebecca Piccolo, will published in August. Niki Arya will be in Oct – statisticians are heroes. Marlene's students will still be prodded. Gretchen Chiu, a coworker of Heather's, will be writing an article in the fall. Greg has some suggestions for articles – e.g. his wife has an MS in stat and works in health outcomes and may have an idea for an article (target Oct 1 for this). Also, Greg may want to write an article about testing in software development. Note: in September there is never a Master's Notebook article.

JSM 2011 (Miami):

Roundtable that Barbara/Marlene put together on applied and consulting statisticians in academia (email sent 7/15). Please send comments to Barbara and Marlene.

Panel on Applied and Consulting statisticians. Please provide your comments to Amarjot and Jennifer as to the abstract by 7/23 (see email July 15). Potential speakers will be approached at JSM and abstract to be submitted ASAP (submission opens July 20 and closes early Sept).

CAS have one allocated invited session. Need to solicit groups for others.

Progress on other invited session ideas:
- Erin to work on a session about lean six sigma. Complete draft abstract by July.
  - Anyone know anyone who works as a black belt?

- Heather and Jennifer to work on a session about Stat Programming. Consider asking Section on Stat Programming to sponsor. To work on in August.
  - Postpone

- Heather and Lei to work on a session about statistical genetics.
  - Amarjot has a dedicated group – pharmogenomics...could suggest one or two names. Put on the backburner for now.

- We mentioned a session on imaging but do not have an organizer or chair. Barbara and Amarjot can provide contacts.
    - Barbara contacted a couple of people, but they turned her down. Also put on the backburner for now.

- Jennifer has idea for a QTc invited session, specific to clinical trials.
    - Jennifer will pull together an abstract.

Panel discussion, Erin's lean six sigma and QTc are the current invited session. Proposed that panel discussion to be submitted for sponsorship by CAS.

Traffic light tool to measure our progress
Thanks to Amarjot for providing this tool. Amarjot talked about it, and said that we will really apply it to the committees' goals/charge.

Ad-hoc committee to discuss conference for applied statisticians:
Jennifer. No updates. Team will meet at JSM.

Membership Growth Initiative
Amarjot reported that there is no news.

Education committee
Marlene. No news to report. Jennifer reported that Nancy Geller (ASA president elect) has some new initiatives that she would like members to get involved with.

Next meeting is Wednesday, August 18th at 12 EST.

Committee on Applied Statisticians
http://www.amstat.org/committees/commdetails.cfm?txtComm=CCNARS02

Our charge
Last revised: August 2008

- Promote forums showcasing relevant technologies and emerging methods benefiting applied statisticians
- Facilitate the recognition of applied statisticians within various fields of application
- Coordinate with other ASA groups/units to ensure attention to the needs, priorities and career paths of applied statisticians
- Increase awareness and promote careers in applied statistics

Our goal

Understanding the needs of applied statisticians across the association and finding ways to serve them better.

Committee members

Jennifer Gauvin, Chair	jennifer.ls.gauvin@gsk.com	Chair 2009 – 2012 Member 2007 - 2012
Marlene Egger	marlene.egger@hsc.utah.edu	Member 2008 - 2011
Barbara Hanusa	hanusabh@upmc.edu	Member 2009 - 2011
Amarjot Kaur	amarjot_kaur@merck.com	Member 2008 - 2011
Heather Litman	hlitman@neriscience.com	Member 2009 - 2011
Gordon Sun	gordon.sun@celgene.com	Member 2005 - 2010
Erin Tanenbaum	erin.tanenbaum@nielsen.com	Member 2009 - 2013
Greg Goodwin	greg.goodwin@sas.com	Member 2010 - 2012
Jack Nyberg	jack.nyberg@dey.com	Member 2010 - 2012
Recent members		
Lei Zhu	lei.a.zhu@gsk.com	Member 2007 – 2010
Ying So	ying.so@sas.com	Member 2008 - 2010

Contact a member if you are interested in learning more about this committee.

Papers/events sponsored by the Committee on Applied Statisticians and other committees/sections*

Date	Time	Title	Type of session
Mon 8/2	8:30 – 10:20 AM	Clinical Trials and Informative Decision making	Invited
		Latest Discoveries in Statistical Methods of Evaluating Surrogate Endpoints in Clinical Trials	Topic contributed
		Why I Took the Red Pill: Four Consulting Statisticians Discuss Making a Difference in the Real World	Invited
	12:30 – 1:50 PM	Preparation for the Needs of Industry	Roundtable
	3:30 – 5:30 PM	**Committee on Applied Statisticians Social Mixer**	**Social mixer**
Tues 8/3	10:30 – 12:20 PM	Use of Graphics in Clinical Trials	Invited
	12:30 – 1:50 PM	Preparation for the Needs of Industry	Roundtable
	2:00 – 3:50 PM	Resources and Recognition of Applied Statisticians in ASA	Poster
Wed 8/4	8:30 – 10:20 AM	Handling of Missing Data in Clinical Trials: Findings of a National Research Council Study	Invited
		Graphics Packages for R: Recent Advances and Future Directions	Invited
		Recent Advances in Survival and Risk Analysis	Topic contributed
	10:30 – 12:20 PM	Inaugural Computing-Graphics Software Award	Invited
		Statistical Methods for Handling Early Study Medication Discontinuations in a Time-to-Event Noninferiority Trial	Topic contributed
		Applications of Bayesian Methodology to Clinical Trials in Oncology	Topic contributed
		Statistical Methods in Clinical Trial Monitoring	Topic contributed
	12:30 – 1:50 PM	How Can ASA Support the Applied Statistician	Roundtable
		Preparation for the Needs of Industry	Roundtable
	2:00 – 3:50 PM	JASA - Applications and Case Studies Invited Session	Invited
		Novel Methods for Extended Case-Control Designs	Invited

Papers/events sponsored by the Committee on Applied Statisticians and other committees/sections (continued)*

Thurs 8/5	8:30 – 10:20 AM	Key Statistical Innovations in Data Mining of Genomics and Genetics Data	Invited
	10:30 – 12:20 PM	Modeling and Analyzing Temporal/Spatial Event Data	Invited
		Mixture Models: Applications, a Critical Appraisal, and Some Alternative Strategies	Invited
		Key Multiplicity Issues in Clinical Trials	Invited
		Current Applications of Small-Area Estimation Using Data from Complex Surveys	Invited
		Design, Analysis, and Operational Considerations of Adaptive Design Trials in Clinical Development	Topic contributed

* Applications and Case Studies, Biometrics Section, Biopharmaceutical Section, CHANCE, Committee on Career Development, ENAR, International Chinese Statistical Association, JASA, Section for Statistical Programmers and Analysts, Section on Bayesian Statistical Science, Section on Government Statistics, Section on Physical and Engineering Sciences, Section on Quality and Productivity, Section on Risk Analysis, Section on Statistical Computing, Section on Statistical Consulting, Section on Statistical Graphics, Section on Statistical Learning and Data Mining, Section on Statistics and the Environment, Section on Statistics in Defense and National Security, Section on Statistics in Epidemiology, Section on Survey Research Methods, Social Statistics Section, SSC, Statistical Programmers and Analysts, WNAR.

Dear < >,

I am a member of the ASA Committee on Applied Statisticians (CAS). The CAS social mixer at JSM last year attracted over 50 applied statisticians, at different stages of their career and from various industries/academia, to network and share applied statistical interest. We hope to facilitate networking within the applied statistical community and foster collaborative opportunities with other ASA sections for future JSM applied sessions.

Our committee is hosting the social mixer again at JSM on Monday August 2, 2010. Light refreshments will be provided. We welcome you and your section members to attend, mingle, and exchange ideas for future Joint Statistical Meetings. Would you please forward the details to your section? We look forward to meeting you!

Meeting Title: Committee on Applied Statisticians Social Mixer
Date: Monday, 8/2/2010
Start Time: 3:30 PM
End Time: 5:00 PM
Room Name: CC-107 (West)
CC=Vancouver Convention Center

For your reference, CAS has the following items in its current charge:
  1. Promote forums showcasing relevant technologies and emerging methods benefiting applied statisticians
  2. Facilitate the recognition of applied statisticians within various fields of application
  3. Coordinate with other ASA groups/units to ensure attention to the needs, priorities and career paths of applied statisticians.
  4. Increase awareness and promote careers in applied statistic

JSM2010 Social Mixer Talking Points
Committee on Applied Statisticians

Our charge
Last revised: August 2008

- Promote forums showcasing relevant technologies and emerging methods benefiting applied statisticians
    - Invited session at JSM2010: Use of Graphics in Clinical Trials
    - Contributed session at JSM2010: Safety signal detection
- Facilitate the recognition of applied statisticians within various fields of application
    - Poster at JSM2010: Resources and recognition of Applied statisticians in ASA
    - Facilitate nomination of Brent James for Deming Lecture
    - Social Mixer at JSM2010 open to all JSM attendees
- Coordinate with other ASA groups/units to ensure attention to the needs, priorities and career paths of applied statisticians
    - Participation in strategic initiatives on education (Marlene Egger) and membership (Amarjot Kaur)
    - Participation in ad-hoc committee planning applied statistics conference (Jennifer Gauvin)
    - Roundtable at JSM2010: How can ASA Support the Applied Statistician?
    - Roundtables at JSM2010: Preparation of Statisticians for the Needs of Industry (offered twice)
    - Invited session at JSM2010: Why I Took the Red Pill: Four Consulting Statisticians Discuss Making a Difference in the Real World (Erin Tanenbaum)
- Increase awareness and promote careers in applied statistics
    - Series of articles in AmStat News for Masters Notebook for several years
    - Participating on planning of applied statistics conference
    - Roundtable at JSM2010: How can ASA Support the Applied Statistician?
    - Roundtables at JSM2010: Preparation of Statisticians for the Needs of Industry (offered twice)
    - Social Mixer at JSM2010 open to all JSM attendees

Our goal:

Understanding the need of applied statisticians across the association and finding ways to serve them better.

Master's Notebook:

The Committee on Applied Statisticians provides articles to support and encourage the master's level statistician. See your monthly Amstat News! Also, check it out online!

Demographics:

There are nine members including one chair.
Academics: Two, Software Development: One, Clinical Trials (Pharma): Four, Medical research: One, Market research: One.
Contact a member if you are interested in serving on this committee.

Questions:
What drew you to this mixer?
In what ways can the Committee on Applied Statisticians (CAS) support you?
What does ASA do that is relevant to your career?
What else could ASA do that would be relevant?
If you could identify one thing that you would like from the CAS (beyond our charge), what would it be?

Awards and Recognition

Deming Lecturer Award

Established to honor the accomplishments of W. Edwards Deming, this award recognizes the accomplishments of the awardee and enhances the awareness among the statistical community of the scope and importance of Deming's contributions.

Selection Criteria

The individual has either made significant contributions in fields related to those in which Deming devoted his career-including survey sampling, statistics in the transportation industry, quality management, and quality improvement-or has made significant contributions through effective promotion of statistics and statistical thinking in business and industry.

The lecture should be presented in the spirit of Deming's views about his statistical practice (Code of Professional Conduct, 1972), which were I aim to engage only in work that offers opportunity to create new statistical methods, or to use existing methods to help other scientists and professional men to improve their research; or to acquire new knowledge through planned research about materials and about man; or to improve efficiency, uniformity, quality service, and performance of product; or to achieve smoother operation and more effective administration and management in industry and government

Winners (1999-2010)

2010: Brent C. James, Institute for Health Care Delivery Research, Better: Dr. Deming Consults on Quality for Sir William Osler

2009: J. Stuart Hunter, Princeton University, Deming Today
2008: Donald M. Berwick, Institute for Healthcare Improvement, Inference and Improvement in Health Care
2007: Douglas C. Montgomery, Arizona State University, A Modern Framework for Enterprise Excellence
2006: Ronald D. Snee, Tunnell Consulting, Making Another World: a Holistic Approach to Performance Improvement
2005: A. Blanton Godfrey, North Carolina State University, Statistics, Quality, and Organizational Excellence
2004: Colin Mallows, Avaya Laboratories, Deming and Bell Labs
2003: Wayne Fuller, Iowa State University, Deming and Survey Sampling
2002: Sir David Cox, Current Problems and Challenges Facing Statistics
2001: Gerald J. Hahn, GE Retiree and Consultant, The Proactive Statistician
2000: George Box, Professor Emeritus, University of Wisconsin, Statistics for Discovery
1999: Kenneth Prewitt, Director of the U.S. Census Bureau, Census 2000 - Political Questions, Scientific Answers

W. J. Dixon Award for Excellence in Statistical Consulting

In December of 2008, the ASA Board of Directors accepted a gift from Janet Elashoff, daughter of W. J. Dixon, to endow a fund establishing the W. J. Dixon Award for Excellence in Statistical Consulting. The award was established to recognize outstanding contributions to statistical consulting and to honor the memory of Dixon.

Qualifications

The award is bestowed upon a distinguished individual who has demonstrated excellence in statistical consulting or developed and contributed new methods, software, or ways of thinking that improve statistical practice in general.

Winners (1999-2009)

2010: Dallas E. Johnson, Is awarded the W.J. Dixon Award for Excellence in Statistical Consulting for outstanding contributions to advancing the science and art of statistical consulting.

2009: Doug Zahn, of Zahn & Associates, for his outstanding contributions to advancing the science and art of statistical consulting.

2008: December, award established

Outstanding Statistical Application Award

This award recognizes a paper that is an outstanding application of statistics in any substantive field.

Qualifications

The Outstanding Statistical Application Award is bestowed upon a distinguished individual or individuals based on the following criteria:

- The impact of the statistical application in addressing a significant problem in a substantive field
- The ingenuity and or novelty of the statistical treatment of the problem

Eligible work includes papers, monographs, reports, and other substantive evidence appearing two years prior to the presentation of the award. All nominated work must have been subject to external peer review and, preferably, to formal refereeing.

Winners (1999-2009)

2010: To Samuel Kou of Harvard University for opening the door between statistics and one of the newest areas of research, single-molecule experiments.

2009: To Robert D. Gibbons of the University of Illinois, in recognition of his paper: Mixed-effects Poisson regression analysis of adverse event reports: The relationship between antidepressants and suicide; Journal: Statistics in Medicine, 2008; 27, pp1814-1833.

2008: Tian Zheng, Matthew J. Salganik, and Andrew Gelman in recognition of their paper, How Many People do You Know in Prison? using overdispersion in count data to estimate social structure in networks; a method for learning about small, hard-to-reach subpopulations and social network structure from non-network samples. Published in the *Journal of the American Statistical Association*, June 2006, Vol.101. No. 474.

2007: Jeffrey Grogger, University of California, Los Angeles and Greg Ridgeway, RAND Corporation, in recognition of their paper, Testing for Racial Profiling in Traffic Stops from Behind a Veil of Darkness

2006: Thomas A. Ferryman of Battelle Pacific Northwest Division, Brett G. Amidan of Battelle Pacific Northwest Division, in recognition of their paper, The Morning Report: Advanced Proactive Safety and System Monitoring Tool

2005: Christopher R. Genovese, Carnegie Mellon University, Christopher J. Miller, The National Optical Astronomical Observatory/Cerro-Tololo Inter-American Observatory, Chile, Robert C. Nichol, Institute of Cosmology and Gravitation, University of Portsmouth, U.K., Mihir K. Arjunwadkar, Centre for Modeling & Simulations, University of Pune, India, and Larry A. Wasserman, Carnegie Mellon University, in recognition of their paper, Nonparametric Inference for the Cosmic Microwave Background, published in *Statistical Science*, Vol. 19, No. 2, (May 2004)

2004: Rafael A. Irizarry, Johns Hopkins University, Bridget Hobbs, Walter and Eliza Hall Institute Genetics & Bioinformatics Group, Francois Collin, Diabetics Center, University of California at San Francisco,

Kristen J. Antonellis, Yasmin D. Beazer-Barclay, and Uwe Scherf, Gene Logic Inc., and Terence Paul Speed, University of California at Berkeley Exploration, Normalization, and Summaries of High Density Oligonucleotide Array Probe Level Data, published in *Biostatistics*, Vol. 4, No. 2, (2003): pp. 249-264

2003: Golowich, Steven, Bell Laboratories, James M. Landwehr, Avaya Labs Research, and Scott A. Vander Wiel, Bell Laboratories, Interplay Between Physics and Statistics for Modeling Optical Fiber Bandwidth published in Technometrics, Vol. 44, No. 3, (August 2002): pp. 215-229

2002: Hall, Peter and Donald S. Poskitt, Australian National University, and Brett D. Presnell, University of Florida, A Functional Data-Analytic Approach to Signal Discrimination, *Technometrics*, Vol. 43, No. 1 (February 2001): pp. 1-9

2002: Freidlin, Boris, National Cancer Institute, and Joseph L. Gastwirth, George Washington University, Change-point Tests Designed for the Analysis of Hiring Data Arising in Employment Discrimination Cases, *Journal of Business and Economic Statistics*, Vol. 18, No. 3 (July 2000): pp. 315-322

2001: Pascual, Francis G., Washington State University, and William Q. Meeker, Iowa State University, Estimating Fatigue Curves with the Random Fatigue-Limit Model, *Technometrics*, Vol. 41, No. 4 (November 1999): pp. 277-290

2000: Gelman, Andrew, Columbia University, Gary King, Harvard University, and Chuanhai Liu, Bell Labs Lucent Technologies, Not Asked and Not Answered: Multiple Imputation for Multiple Surveys, *Journal of the American Statistical Association*, Vol. 93, No. 443 (September 1998): pp. 846-869

1999: West, Mike, Duke University, Raquel Prado, University of Simon Boliver, and Andrew D. Krystal, Duke University Medical Center, Evaluation and Comparison of EEG Traces: Latent Structure in Nonstationary Time Series, *Journal of the American Statistical Association*, Vol. 94, No. 446 (June 1999): pp. 375-387 and

1999: Janssen, Robert S., Glen A. Satten, et al, Centers for Disease Control, Susan L. Stramer, American Red Cross, Michael P. Busch, Blood Centers of the Pacific, and others, New Testing Strategy to Detect Early HIV-1 Infection for Use in Incidence Estimates and for Clinical and Prevention Purposes, *Journal of the American Medical Association*, Vol. 280, No. 1 (July 1998): pp. 42-48

Statistics in Chemistry Award

The Statistics in Chemistry Award recognizes outstanding collaborative efforts between statisticians and chemists. While this is a Section award, in 1995, the Board of Directors grandfathered this award for presentation at the ASA Presidential Address Session.

Qualifications

The award is bestowed upon a distinguished individual who has demonstrated excellence in statistical consulting or developed and contributed new methods, software, or ways of thinking that improve statistical practice in general. The Statistics in Chemistry Award is bestowed upon a distinguished individual or individuals based on their innovative use of statistics to solve a problem in chemistry and the impact of the solution on the problem. In odd-numbered years, the award is presented for a paper published in refereed statistics, chemistry, or chemometrics journals during the previous two years. In even-numbered years, the award is presented for work between a statistician and chemist in an industrial/manufacturing company performed during the previous two years. A statistician, to be eligible for the award, must be a member of the ASA.

Winners (1999-2009)

2008: Cliff Spiegelman, Will Tobin, William D. James, Simon J. Sheather, Stuart Wexler, and D. Max Roundhill for the paper, Chemical and Forensic Analysis of JFK Assassination Bullet Lots: Is a Second Shooter Possible? That was published in *Annals of Applied Statistics*, 1(2):287-301

2007: No award.

2006: Katja S. Remlinger, GlaxoSmithKline R&D, Jacqueline M. Hughes-Oliver, North Carolina State University, S. Stanley Young, National Institute of Statistical Sciences, and Raymond L.H. Lam, Centocor, in recognition of their paper, Statistical Design of Pools Using Optimal Coverage and Minimal Collision, published in the *Technometrics*, Vol. 48, No. 1 (Feb., 2006)

2005: No award.

2004: Douglas M. Hawkins, University of Minnesota, and Subhash C. Basak and Denise R. Mills, Natural Resources Research Institute, University of Minnesota Duluth, Assessing Model Fit by Cross-Validation, published in the *Journal of Chemical Information and Computer Sciences*, Vol. 43, (2003): pp. 579-586

2003: Paul E. Blower, LeadScope, Inc., Michael A. Fligner and Joseph S. Verducci, The Ohio State University, and Jeffrey Bjoraker, Deutsche Bank Securities, Inc., On Combining Recursive Partitioning and Simulated Annealing to Detect Groups of Biologically Active Compounds published in the *Journal of Chemical Information and Computer Sciences*, Vol. 42, No. 2, (2002): pp. 393-404

2002: Clifford H. Spiegelman, John Wikander, and Gerard L. Cote, Texas A&M University, and D. Patrick O'Neal, Lycos, A Simple Method for Linearizing Nonlinear Spectra for Calibration, *Chemometrics and Intelligent Laboratory Systems Journal*, Vol. 60 (January 2002): pp. 197-209

2001: No award.

2000: Raymond L. H. Lam, Glaxo Wellcome Inc. Canada, William J. Welch, University of Waterloo, S. Stanley Young, Glaxo Wellcome Inc., Uniform Coverage Designs for Molecule Selection, *Technometrics*, Vol. 44, No. 2 (May 2002): pp. 99-109

1999: No award.

W. J. Youden Award in Interlaboratory Testing

The W. J. Youden award was established to recognize publications that make outstanding contributions to the design and/or analysis of interlaboratory tests or describe ingenious approaches to the planning and evaluation of data from such tests.

Qualifications

Interlaboratory tests, sometimes called collaborative studies or round robins, constitute a broad field of statistical activity in commercial, regulatory, and industrial practice. They are used in many disciplines for comparing results produced in different laboratories, for determining consensus values, and for assessing and developing test methods. Such studies are often interactive, with the goal of reducing discrepancies among results. Determination of consensus values may include work on reconciling dissimilarities of several contributory data-generating processes by accommodating them, as in analysis of multicenter clinical trials.

The W. J. Youden Award in Interlaboratory Testing is bestowed upon distinguished individual(s) whose publications have appeared or been accepted for publication in English-language, professionally refereed journals or monograph series during the given year or the two preceding years.

Winners (1999-2009)

2009: Blaza Toman, National Institute of Standards Technology

2008: Andrew L. Rukhin, University of Maryland and William E. Strawderman, Rutgers University

2007: Rafael A. Irizarry of The Johns Hopkins University, Shyam Biswal, Bryan C. Frank, Edward Gabrielson, Joe G.N. Garcia, Joel Geoghegan, Gregory Germino, Constance Griffin, Sara C. Hilmer, Eric Hoffman, Anne E. Jedlicka, Ernest Kawasaki, Hannah Lee, Francisco Martinez-Murillo, Laura Morsberger, Irene F. Kim, David Petersen, John Quackenbush, Alan Scott, Forest Spencer, Daniel Warren, Michael Wilson, Yanquin Yang, Shui Qing Ye, Wayne Yu, in recognition of their paper, Multiple Laboratory Comparison of Microarray Platforms, published in *Nature Methods*, May 2005, Vol. 2, No. 5.

2006: Dulal K. Bhaumik, Center for Health Statistics and Robert D. Gibbons, University of Illinois at Chicago, in recognition of their paper, Confidence Regions for Random-Effects Calibration Curves with Heterscedastic Errors, published in *Technometrics*, Vol. 47, No. 2 (May 20905): 223-230.

2005: Hariharan K. Iyer, Colorado State University, Chih-Ming (Jack) Wang, National Institute of Standards and Technology, and Thomas Mathew, University of Maryland-Baltimore, receive the 2005 W.J. Youden Award in Interlaboratory Testing, in recognition of their paper, Models and Confidence Intervals for True Values in Interlaboratory Trials, published in the *Journal of the American Statistical Association*, December 2004, Vol. 99, No. 468, Theory and Methods.

2004: Pierre Pestiaux, CReG, TOTAL FRANCE, and Christine Pic, LSTA, Pierre and Marie Curie University (Paris VI), The Limitations of the Cochran and Grubbs Outlier Tests in Round Robin Testing, published in SAE Paper, No. 2004-01-1894, June 2004.

2003: Lin, Zhichao, Federal Drug Administration and Kenneth G.W. Inn and James J. Filliben, National Institute of Standards and Technology, An Alternative Statistical Approach for Interlaboratory Comparison Data Evaluation, published in the Journal of Radioanalytical & Nuclear Chemistry, Vol. 248, No. 1, (2001): pp.163-173.

2002: Gibbons, Robert D., University of Illinois at Chicago, and Dulal K. Bhaumik, University of South Alabama, Weighted Random-Effects Regression Models with Application to Interlaboratory Calibration, published in *Technometrics*, Vol. 43, No. 2 (May 2001): pp.192-198.

2001: Tan, Charles Y., Merck & Company, Inc., and Boris Iglewicz, Temple University, Measurement-Methods Comparisons and Linear Statistical Relationship, *Technometrics*, Vol. 41, No. 3 (August 1999): pp. 192-201.

2000: Duewer, David L., Margaret C. Kline, Katherine E. Sharpless, Jeanice Brown Thomas, and Kenneth T. Gray, National Institute of Standards and Technology, and Anne Sowell, Centers for Disease Control and Prevention, Micronutrients Measurement Quality Assurance Program: Helping Participants Use Interlaboratory Comparison Exercise Results to Improve Their Long-Term Measurement Performance, *Analytical Chemistry*, Vol. 71, No. 9 (May 1, 1999): pp. 1870-1878.

1999: No award.

Founders Award

The ASA Founders Award recognizes members who have rendered distinguished service to the association.

Qualifications

The individual selected will have served the association for an extended period of time, usually in a variety of leadership roles wherein effective service or leadership was provided within ASA or through ASA outreach to other organizations. Outstanding performance in just one or two capacities, however important, would usually be insufficient to merit this award. The individual's contributions will have had significant impact on the association beyond the time of her/his incumbency.

The Founders Award Committee depends on the American Statistical Association membership to submit nominations. Committee members will review the nominations and make the final determination of whom, if anyone, should receive the award. The award may not be given to a sitting member of the Founders Award Committee or a sitting member of the Board of Directors.

Winners (1999-2009)

2009: Stephen E. Fienberg, Carnegie Mellon University
For outstanding leadership and contributions in Bayesian approaches to the analysis of contingency tables, confidentiality and data disclosure, and legal decision making; for distinguished service on the ASA Board of Directors including his role as Vice President; for long-term active involvement in ASA committees and remarkable leadership and participation in sister organizations; for superior editorial activities past and present, including Editor of *Annals of Applied Statistics*, *Statistical Science*, and Co-editor of *Chance*; for exceptional service and leadership in a wide variety of professional and government-related consultant activities.

2009: June Morita, University of Washington
For outstanding leadership; for energetic service to the Association as Chapter President, as regional Vice Chair and Chair of the Council of Chapters, as a member of the Council of Sections Governing Board, the Board of Directors, and numerous committees; for initiating, promoting, and sustaining effective programs to enhance quantitative and statistical literacy in schools nationally and internationally, including Making Sense of Statistical Studies and programs to prepare undergraduates as mathematics/statistics tutors in middle schools; for setting a standard of fun and excitement to the Council of Chapters activities at Association meetings.

2009: Bob Rodriguez, SAS Institute, for extraordinary leadership and service in crafting the ASA Strategic Plan and for obtaining a broad consensus for its implementation; for serving as a Vice President of the ASA; for editorial services to the Association; for playing a critical role in software development for linear models and statistical quality improvement at SAS; for serving as the Editor-in-Chief of the ASA-SIAM book series on Statistics and Applied Probability, and as an Associate Editor of the *American Statistician*; and for serving in leadership roles in the SPES section, and on the Publications Committee.

2009: W. Robert Stephenson, Iowa State University, for sustained and outstanding efforts to foster the improvement of statistics teaching through distinguished editorial work with the *Journal of Statistics Education* and as Chair of the Advisory Committee on Teacher Enhancement; for effective outreach to students by guiding the development of STATS magazine, serving as Dr. Stats and directing Mu Sigma Rho; for service to the Association as a Section Chair, Chapter President and on many committees; and for being an inspiring role model throughout an award winning career as a statistics educator.

2009: Jessica Utts, University of California, Irvine, for leadership on many ASA committees and the Statistical Education and Bayesian Statistical Science Sections; for extraordinary service in the development of the ASA's strategic plan; for editorial service to the *American Statistician* and to the *Journal of the American Statistical Association*; and for her outstanding commitment to the profession through leaderships roles in NISS, CAUSE, AAAS, WNAR, and COPSS.

2008: David Scott, Rice University, for superb contributions and leadership in statistical research, particularly in multivariate density estimation and visualization, and in editorship of the Journal of Computational and Graphical Statistics; for service to ASA publication projects, including electronic access to ASA journals; for outstanding leadership on a wide variety of grants advancing statistical methodology with NSF, ONR, NSA, USDA, USA, and NASA; for consequential effects of organizing and chairing conferences, including the Joint Statistical Meetings; for remarkable ability to direct and mentor students; for chairing the Section on Statistical Graphics; and for leadership in local chapter activities.

2008: Linda Young, University of Florida, for extraordinary leadership of the ASA as vice president and as chair of the Council of Sections, chair of the Section on Statistical Education, and chair of the Section on Statistics and the Environment, as well as leadership to many other statistical societies, including service as president of the Eastern North American Region of the International Biometric Society (ENAR) and chair of the Committee of Presidents of Statistical Societies (COPSS); for outstanding contributions to leadership and scholarship in statistical methods research, particularly for agricultural, ecological, environmental, and public health studies, and in editorship of the Journal of Agricultural, Biological, and Environmental Statistics. **2007:** George W. Cobb, Mount Holyoke College, for extraordinary contributions to advances in statistical education, for exemplary and altruistic service to the profession, including serving as an ASA Vice President; for vision, creativity, and eloquence in advancing undergraduate statistics education; for effective outreach to the mathematics community; for promoting the role of statistics in the liberal arts; and for mentoring future and current statisticians.

2007: Katherine Wallman, U.S. Office of Management and Budget, for overseeing and coordinating Federal statistical policies, standards, and programs; for developing and advancing long-term improvements in Federal statistical activities, especially legislation to protect the confidentiality of Federal statistics; for representing the Federal Government in international organizations; for increasing cooperation between the several levels of government in the production of Federal statistics, strengthening the interface between academic and government statisticians, and enhancing the statistical literacy of the public; and for effective leadership as an ASA President and her tireless participation in Committee, Chapter, Section and Board of Directors activities.

2007: Gary McDonald, General Motors (retired) and Oakland University; for distinguished leadership in industry, education and NISS; for research in regression, reliability and safety; for dedicated service in ASA chapters, sections and Board of Directors; and for exceptional impact in work with sister professional organizations, especially his work as Board of Directors Chair of MathCounts, a national math enrichment, coaching and competition program that promotes middle school mathematics achievement in every U.S. state and territory.

2006: Wendy L. Alvey, U.S. Census Bureau, for 30 years of distinguished service to the Association as a visionary member of several ASA committees, Sections and Chapters; for noteworthy contributions such as the well-known pamphlet, Surveys and Privacy; and for her mentoring of young statisticians to strive for excellence in writing and presenting at JSM and other professional conferences.

2006: John E. Boyer, Jr., Kansas State University, for long and distinguished leadership in a major university statistics department; for enduring contributions to Section and Council of Chapters activities including promoting prominence for statistics in science fair competitions at the state, national, and international level; and for excellence in statistical consulting.

2006: E. Jacquelin Dietz, Meredith College, for extraordinary contributions to advances in statistical education, as founding editor of the Journal for Statistics Education and other publications activities; for leadership on the Section for Statistics Education and Council of Sections; and for effective representation of ASA to several intersociety activities.

2006: Robert L. Santos, NuStats LP, for excellence in survey statistics; for distinguished leadership in Section and Committee activities, including a deep and enduring concern for ASA's open access to members of all races and cultures; and for effective impact in work with sister statistical organizations.

2006: Joe H. Ward, Health Careers High School, for excellent efforts in K-12 education that are so far-ranging that an elementary school in named in his honor; for fundamental efforts with a Chapter; and for lasting efforts to make statistics understandable to the general population.

2005: Linda H. Gage, California State, Department of Finance, for distinguished leadership as chair of Committee on Committees; for very effective and widespread participation on committees, a Chapter and a Section; for authorship of articles promoting the use of statistics in demography by a state government; and for continuing service as a role model for government statisticians.

2005: Joan B. Garfield, University of Minnesota, for extraordinary contributions to the advancement of statistics education, through research into how students learn and through development of effective teaching methods; for leadership in statistics education through ASA and other professional organizations; and for outstanding teaching and service to the profession.

2005: Albert Madansky, The University of Chicago, for a half century of outstanding achievement in developing statistical methods and applications in business administration, working in both academia and industry; and for devoted service to the American Statistical Association, as an editor, as chair of the publications committee, as president of the business and economics section, and most recently as ASA treasurer.

2004: Roger Hoerl, General Electric Company, received the 2004 Founders Award for being an articulate advocate in promoting collaboration and facilitating discussion between industry and academe; for a distinguished record of publication, including papers examining the interplay between industry and undergraduate and graduate education; for outstanding contributions to the ASA Continuing Education program; for frequent and important contributions to the Joint Statistical Meetings; and for exemplary service to the Association through its sections and editorial boards.

2004: Dallas E. Johnson, Kansas State University, received the 2004 Founders Award for over thirty-five years of exceptional service and leadership to the Association; for outstanding service as the Founding Editor of the Journal of Agricultural, Biological, and Environmental Statistics; for devoted editorial service for The American Statistician and other statistical journals; for leadership on the ASA Council; for leadership in ASA Sections on Statistical Education and Statistical Consulting; for leadership in co-founding the Mid-Missouri Chapter of the ASA and serving as President of the Kansas-Western Missouri ASA Chapter; for service on various ASA committees; and for outstanding service on the ASA Board of Directors.

2004: William R. Schucany, Southern Methodist University, received the 2004 Founders Award for over thirty-five years of outstanding service to the Association through leadership positions in the Section on Nonparametric Statistics, the Section on Statistical Education, and numerous national ASA committees; for exceptional contributions at the regional level to the North Texas Chapter and the Conference of Texas Statisticians; and for exemplary and sustained editorial service to a variety of Association publications.

2004: Ray A. Waller, retired, received the 2004 Founders Award for many contributions to the profession and the Association culminating in his service as Executive Director and Secretary from 1995 to 2001; for improving service to members and the internal efficiency of the ASA office through effective reorganization and well-chosen hiring; for constant attention to detail and a continuing sense of responsibility for the welfare of ASA and its members.

2003: Roxy L. Peck, California Polytechnic State University, received the 2003 Founders Award for advancing the Association's goals to promote statistics education; for innovative leadership in the Advanced Placement statistics program; and for highly effective service in advancing statistics education through ASA members, committees, chapters, sections, and the Joint Statistical Meetings.

2003: James H. Matis, Texas A&M University, received the 2003 Founders Award for outstanding leadership of the Association's efforts in advancing statistics education, in particular through the education of Advanced Placement statistics course teachers and through developing the Beyond AP Statistics conferences, and for highly effective service to ASA chapters, sections, and meetings, including program chair of the 1987 Joint Statistical Meeting.

2003: Lynne Billard, University of Georgia, received the 2003 Founders Award for outstanding leadership to the Association in advancing its influence in education, international affairs, and public policy; in making ASA more effective in advancing the role of women in our profession; and in strengthening ASA relationships with other societies. For leadership in engaging colleagues and students in the Association; for highly effective service to ASA journals, committees, chapters, sections, and the Joint Statistical Meetings; and for outstanding service as ASA President..

2002: Sallie Keller-McNulty, Los Alamos National Laboratory, for exceptional leadership in American Statistical Association section and committee assignments, especially as related to electronic publications, meetings, and statistical computing; for effective service on the ASA Board of Directors; for innovative promotion of statistics through scientific and administrative roles at the Los Alamos Scientific Laboratories, the National Science Foundation, the National Academy of Sciences, the National Institute of Statistical Sciences, and the Committee of Presidents of Statistical Societies; and for championing statistics education and practice in academia, government, and industry in a pleasant but persuasive manner.

2002: W. Michael O'Fallon, Retired, for over forty years of dedicated service to the American Statistical Association through multiple committee and section assignments and extraordinarily effective leadership during two terms on the Board of Directors, culminating with his term as 2000 ASA President; for a dynamic and illustrious career at the Mayo Clinic as an able administrator and superb collaborative biostatistician/epidemiologist; and for eloquence and good humor in promoting the statistical/biostatistical discipline.

2002: Edward J. Wegman, George Mason University, for over thirty years of exceptional service and leadership to the American Statistical Association; for editing various ASA journals; for selfless and dedicated service to the Statistical Graphics Section of the ASA; for fostering the reputation of the ASA and American statisticians in computing as President of the International Association for Statistical Computing; for significantly expanding the funding for research in probability and statistics at the Office of Naval Research; and for serving in leadership roles at the Interface Foundation of North America since its inception, thus promoting the connection between statistics and computing.

2001: Jon R. Kettenring, Telcordia Technologies, for four decades of selfless, dedicated service to and involvement in every aspect of the American Statistical Association including multiple committee assignments and leadership roles, editorial activities and two terms on the Board of Directors, culminating with his term as the 1997 President at a time when strong, masterful leadership was critical to the Association; for preparing the ASA to meet the demands of the 21st century; for a dynamic career in statistical research and applications, representing a statistics in industry perspective at national and international levels; and for sound, unflappable guidance to the National Institute of Statistical Sciences Board of Trustees, both as an original Trustee member, and now as Chair.

2001: David S. Moore, Purdue University, for over 30 years of extraordinary leadership and service to the American Statistical Association; for his ASA Presidency in 1998, Editorships of ASA journals, Section Chairmanship, and Chapters outreach; for commitment to the promotion and enhancement of the educational, scientific, and outreach goals of the ASA; for teaching and trail-blazing books in introductory statistics, which increased the accessibility of statistics for thousands of students; for eloquence in promoting the discipline; and for world leadership in statistical education.

2000: Nancy J. Kirkendall, Energy Information Administration, for continued exceptional service to the ASA through leadership positions in all segments of the Association including Vice President of ASA, President of the Washington Chapter, Council of Chapters representative to the Board of Directors, Chair of the JSM Program Committee, and Chair of the Business and Economics Section; for her 20+ years of teaching statistics to the next generation as an adjunct faculty member at George Washington University; and for her fervent and continued efforts to have statistical methodology and quantitative assessment included in high level government policy making.

1999: Richard F. Gunst, Southern Methodist University, for contributions to ASA through service to the North Texas Chapter and to the Sections on Physical and Engineering Sciences and Quality and Productivity, through important committee assignments including program chair for the 1996 Joint Statistical Meetings, for substantial editorial responsibilities, and through service on the Board of Directors.

1999: Jerry L. Moreno, John Carroll University, for exceptional leadership in organizing Quantitative Literacy workshops each year since 1989, for outstanding services to the Cleveland Chapter and to statistical education in northern Ohio, and for editorial and committee work supporting statistical education.

1999: Gladys H. Reynolds, Centers for Disease Control and Prevention, for long-standing service to the Biopharmaceutical and Statistics in Epidemiology sections and to many ASA committees, and for leadership in advancing women and minorities in the profession.

Fellows of the ASA

Nominated by their peers, ASA Fellows are members of established reputation who have made outstanding contributions in some aspect of statistical work. Given annually, this is a great honor, as the number of recipients is limited to no more than one-third of 1% of the ASA membership.

Winners (1999-2010)

2010	Paul D. Allison, Dr. Dhammika Amaratunga, Carol Joyce Blumberg,James J. Colaianne, Brent Coull, Robert C. delMas, Sandrine Dudoit, Eleanor Feingold, SUBHASHIS GHOSHAL, Susan Groshen, Wensheng Guo, Sudhir Chand Gupta, Amy H. Herring, Joan F. Hilton, Dr. Ming-Xiu Hu, Hsien-Ming James Hung, Telba Z. Irony, Daniel R. Jeske, Andrew Booth Lawson, Emmanuel M.E.H. Lesaffre, Virginia M. Lesser, Dr. Richard A. Levine, Gang Li, Tapabrata Maiti, Adam T. Martinsek, George Michailidis, John F. Monahan, Motomi Mori, Christopher H. Morrell, Jeri Metzger Mulrow, Paul Ross Murrell, Dayanand N. Naik, Nagaraj K. Neerchal, Dr. George Ostrouchov, Dr. Omer Ozturk, J. Lynn Palmer, Wei Pan, Sung H. Park, Moshe Pollak, John S. Preisser, Jr., Peiyong Annie Qu, Fabrizio Ruggeri, Estelle Russek-Cohen, Ph.D, Carolyn M. Rutter, Bruno Sanso, Nora Cate Schaeffer, Christopher H. Schmid, Nagambal D. Shah, Yu Shyr, Brian L. Wiens, Rongling Wu, Laura Voshell Zayatz, Haibo Zhou
2009	John M. Abowd, Ejaz Ahmed, Ph.D, Sung K. Ahn, Mohammad Ahsanullah, Stan Altan, Naomi Altman, Ms. Jana L. Asher, Robert J. Boik, William P. Butz, Keumhee Chough Carriere, Mark Chang, Jiahua Chen, Song X. Chen, Ming-Yen Cheng, Limin Clegg, Stephen H. Cohen, Alexei A. Dmitrienko, William D. Dupont, Ronald D. Fricker, Jr., Edward E. Gbur, Jr., Sujit Kumar Ghosh, Robert J. Gray, Mark S. Handcock, Philip Hougaard, Feifang Hu, Jian Huang, William F. Hunt, Jr., Rafael A. Irizarry, David A. James, Marshall M. Joffe, Ian T. Jolliffe, Nandini Kannan, Theodore G. Karrison, John E. Kimmel, Gary King, Dr. Mani Y. Lakshminarayanan, Julia I. Lane, Herbert K. H. Lee III, Thomas C. M. Lee, Michael T. Longnecker, John E. Orban, Peihua Qiu, Domenic J. Reda, Daniel J. Schaid, Daniel O. Scharfstein, Ashis SenGupta, Mr. Gary M. Shapiro, Christopher Albert Sims, Daniel A. Sorensen, Tharuvai N. Sriram, Duane L. Steffey, Daniel Stram, Randall David Tobias, David M. Umbach, Christopher John Wild, Rick L. Williams, Qiwei Yao
2008	Yacine Ait-Sahalia, Gerald J. Beck, Betsy J. Becker, Dulal K. Bhaumik, Chester E. Bowie, Subhabrata Chakraborti, Nilanjan Chatterjee, Hugh A. Chipman, Richard J. Cook, Montserrat Fuentes, Varghese George, Katherine T. Halvorsen, Brian A. Harris-Kojetin, Steven G. Heeringa, William G. Henderson, Thomas Herzog, Joseph W. Hogan, Aparna V. Huzurbazar, Bradley A. Jones, Henry D. Kahn, Roger W. Koenker, Karol P. Krotki, Philip T. Lavin, Charles E. Lawrence, Carl Lee, J. Jack Lee, Dr. Kerry L. Lee, Hongzhe Li, Ph.D, Yi Li, Ph.D, Stacy R. Lindborg, Thomas M. Loughin, Ronald E. McRoberts, Devan V. Mehrotra, Jill M. Montaquila, Keith E. Muller, Daniel S. Nettleton, Xufeng Niu, Nancy Obuchowski, John J. Peterson, Hui Quan, Yongzhao Shao, Eleanor Singer, David M. Steinberg, Dr. Don L. Stevens, Jr., Maura E. Stokes, Walter W. Stroup, Brani D. Vidakovic, Alyson G. Wilson, Hulin Wu, Emmanuel Yashchin, Dennis L. Young, Alvan O. Zarate, Zhao-Bang Zeng
2007	Odd O. Aalen, John L. Adams, David B. Allison, Mick P. Couper, Lester R. Curtin, Michael J. Daniels, Dr. Charmaine B. Dean, John J. Deely, Rebecca W. Doerge, David Draper, David B. Dunson, Scott S. Emerson, Ziding Feng, Linda Gage, Prof. Marc G. Genton, Mary W. Gray, Patrick J. Heagerty, Glenn Heller, Nicolas Hengartner, Joseph M. Hilbe, Jacqueline M. Hughes-Oliver, Jiming Jiang, Michael I. Jordan, David R. Judkins, Samuel Kou, Way Kuo, Edward Lakatos, Joseph B. Lang, Chuanhai Liu, Jye-Chyi Lu, Robert B. Lund, Elizabeth H. Margosches, Sati Mazumdar, Ian W. McKeague, Leyla K. Mohadjer, Dr. Katherine L. Monti, Michael Newton, Dr. Barry D. Nussbaum, Walter W. Offen, Prof. Mohsen Pourahmadi, Allen L. Schirm, Stuart Scott, Yu Shen, Joanna H. Shih, Prof. Elizabeth H. Slate, Jeffrey L. Solka, Zachary G. Stoumbos, Ph.D, Therese A. Stukel, Ming Tan, Antony Unwin, Jon C. Wakefield, Russell D. Wolfinger, Weng Kee Wong, Yannis G. Yatracos, Kai Fun Yu, Elizabeth R. Zell,

	Cun-Hui Zhang, Ji Zhang, Li-Xing Zhu
2006	Dr. Christine M. Anderson-Cook, Anthony C. Atkinson, Stuart G. Baker, Prof. Emery N. Brown, Ngai-Hang Chan, Rick Chappell, PhD, Domenic V. Cicchetti, Gauri S. Datta, Somnath Datta, Robyn M. Dawes, Virginia A. de Wolf, Timothy A. DeRouen, Marie Diener-West, Kim-Anh Do, Nader B. Ebrahimi, Sam Efromovich, Joseph C. Gardiner, Marcia L. Gumpertz, Bradley A. Hartlaub, Byron Jones, Sadanori Konishi, Dr. Michael R. Kosorok, Paul H. Kvam, Ta-Hsin Li, Zhaohai Li, PhD, Steven N. MacEachern, Donald Malec, Michael A. Martin, Wendy L. Martinez, Daniel F. McCaffrey, Melvin L. Moeschberger, June Morita, Tapan K. Nayak, Dr. Jean D. Opsomer, Sudhir Ranjan Paul, Daniel Pena, Nicholas G. Polson, Jing Qin, Nalini Ravishanker, Dr. Deborah J. Rumsey, Oliver Schabenberger, Xiaotong Shen, Lianne Sheppard, Debajyoti Sinha, Refik Soyer, Paul L. Speckman, F. Michael Speed, Prof. David S. Stoffer, Robert L. Strawderman, Jianguo (Tony) Sun, Brajendra C. Sutradhar, David M. Thissen, David A. van Dyk, Prof. Marina Vannucci, Sylvan Wallenstein, Yazhen Wang, Yuedong Wang, Jon August Wellner, Hongyu Zhao
2005	Dr. Paul S. Albert, J. Richard Alldredge, Eric T. Bradlow, Janet P. Buckingham, Jianwen Cai, Beth L. Chance, Ming-Hui Chen, Smiley W. Cheng, Merlise A. Clyde, Kevin J. Coakley, Dianne H. Cook, Susan J. Devlin, Fred C. Djang, Francesca Dominici, Alan H. Dorfman, Jean-Marie Dufour, Christopher A. Field, Andrew P. Grieve, Frank E. Harrell, Jr., Xuming He, Chihiro Hirotsu, Theodore R. Holford, Hariharan K. Iyer, KyungMann Kim, David G. Kleinbaum, Robert Jacob Kohn, Jun S. Liu, Regina Y. Liu, Bani K. Mallick, David J. Marchette, Michael E. Miller, Stephan Morgenthaler, Madhuri Mulekar, Ralph G. O'Brien, Byeong U. Park, William C. Parr, Jeffrey S. Passel, Shyamal Das Peddada, Michael A. Proschan, Bonnie K. Ray, William F. Rosenberger, Susan Schechter Bort., Iris M. Shimizu, Patrick E. Shrout, Jiayang Sun, Deborah F. Swayne, Lonnie C. Vance, Scott A. Vander Wiel, Jay M. Ver Hoef, Geert Verbeke, Joseph S. Verducci, Patricia Wahl, Joanne R. Wendelberger, Douglas P. Wiens, Bin Yu
2004	I. Elaine Allen, Peter Bacchetti, Laurel A. Beckett, Thomas R. Belin, Jesse A. Berlin, James G. Booth, R. Ronald Bosecker, F. Jay Breidt, Raymond L. Chambers, Theodore C. Chang, Joseph J. Chmiel, Jai Won Choi, Michael P. Cohen, Dr. Charles S. Davis, Francis X. Diebold, William T. M. Dunsmuir, Trena M. Ezzati-Rice, Christine A. Franklin, Dennis C. Gilliland, Edwin J. Green, Susan M. Hinkins, Roger W. Hoerl, Joel Lawrence Horowitz, Fred L. Hulting, Mohammad F. Huque, Clifford M. Hurvich, Ph.D, Parthasarathi Lahiri, Lisa M. LaVange, Ph.D, Michael Lavine, Sik Y. Lee, Shili Lin, Amita K. Manatunga, Marianthi Markatou, David A. Marker, Allan L. McCutcheon, Kimberly A. McGuigan, Ph.D, Xiao-Li Meng, R. Daniel Meyer, Chand K. Midha, Janet M. Myhre, Mari Palta, Mark E. Payton, Mario Peruggia, Thomas B. Petska, Dr. Robert N. Rodriguez, Joseph J. Salvo, Mr. Robert L. Santos, Thomas H. Short, Eric V. Slud, Michael A. Stoto, Dongchu Sun, Simon Tavare, Nancy R. Temkin, Terry M. Therneau, Christopher K. Wikle, G. David Williamson, PhD, Xiao-Hua Andrew Zhou
2003	Katharine G. Abraham, Lee R. Abramson, Greg M. Allenby, Mary K. Batcher, Jay M. Bennett, Rebecca A. Betensky, Lawrence D. Brown, Philip J. Brown, Cavell Brownie, George Y.H. Chi, Cindy L. Christiansen, John L. Czajka, Philip M. Dixon, James J. Filliben, Garrett M. Fitzmaurice, Dean A. Follmann, Wing K. Fung, Richard M. Heiberger, James S. Hodges, Burt S. Holland, Carol C. House, John T. Kent, Ravindra Khattree, Hira L. Koul, Lynn Kuo, Wai K. Li, Robert W. Makuch, Ph.D, Geert Molenberghs, Peter Mueller, Nitis Mukhopadhyay, Balgobin Nandram, Dr. Margaret A. Nemeth, John M. Neuhaus, Robert L. Newcomb, Sarah M. Nusser, Nitin Patel, Trivellore E. Raghunathan, Dr. Gary L. Rosner, Glen A. Satten, Nathan E. Savin, Thomas H. Savits, Marilyn M. Seastrom, Mark R. Segal, C. Frank Shen, Nancy L. Spruill, Neal Thomas, Ram C. Tiwari, Kwok-Leung Tsui, Alan R. Tupek, Harrison M. Wadsworth, Jr., Lance A. Waller, PhD, Dr. Ronald L. Wasserstein, Robert E. Weiss, Robert A. Wolfe,
2002	Demissie Alemayehu, Edward J. Bedrick, Michael Lee Boehnke, Carolee Bush, Rong Chen, Avital Cnaan, Michael L. Cohen, Richard A. Davis, Prof. Anthony C. Davison, Darryl J. Downing, John L. Eltinge, Frederick W. Faltin, Irene Gijbels, Richard F. Goldstein, Carol A. Gotway Crawford, Martin A. Hamilton, Kenneth W. Harris, Melvin J. Hinich, Michael D. Hughes, John P Klein, Richard A. Kulka, Soumendra N. Lahiri, Russell V. Lenth, Jennifer H. Madans, Linda C. Malone, Robert W. Mee, Edward L. Melnick, Susan A. Murphy, Sharon-Lise

	Normand, Douglas W. Nychka, Sastry G. Pantula, Mr. Dennis K. Pearl, Peter N. Peduzzi, Dr. Edsel A. Pena, Carey E. Priebe, Marepalli B. Rao, Wasima N. Rida, David M. Rindskopf, Patricia Ruggles, Mark D. Schluchter, Peter J. Schmidt, Nell Sedransk, Dr. Stephanie Shipp, Randy R. Sitter, Dalene K. Stangl, Moon W. Suh, William W. S. Wei, Alan H. Welsh
2001	Michael G. Akritas, Yasuo Amemiya, Richard T. Baillie, Karen J. Bandeen-Roche, David L. Banks, Richard A. Berk, William C. Blackwelder, Dennis Boos, Kung-Sik Chan, Dr. Michael R. Chernick, Siddhartha Chib, Jan DeLeeuw, Peter J. Diggle, Patricia J. Doyle, Marlene J. Egger, Stephen G. Eick, Kai-Tai Fang, Joan B. Garfield, Eric Ghysels, Robert D. Gibbons, Ph.D., David M. Giltinan, Peter Guttorp, Jeffrey D. Hart, James J. Heckman, Dr. Nancy E. Heckman, Howard R. Hogan, Jason C Hsu, Bruce Levin, Kung-Jong Lui, Thomas Mathew, William I. Notz, Gregory F. Piepel, Elvezio Ronchetti, Allan J. Rossman, Daniel W. Schafer, Simon J. Sheather, Eric P. Smith, Steven M. Snapinn, Donna L. Spiegelman, Joan G. Staniswalis, Ph.D, John Stufken, Steven K. Thompson, Wei Yann Tsai, Johannes C. Van Houwelingen, G. Geoffrey Vining, Prof. Naisyin Wang, Andrew A. White, Dale L. Zimmerman
2000	Ibrahim A. Ahmad, Ph.D, James H. Albert, Douglas L. Anderton, PhD, Anestis Antoniadis, Charles K. Bayne, Brent A. Blumenstein James A. Calvin, Lynda T. Carlson, William G. Cumberland, Veronica A. Czitrom, David A. Dickey, Benjamin S. Duran, Robert F. Engle, III, Katherine B. Ensor, Randall L. Eubank, Eric Jeffrey Feuer, Joseph Glaz, Nancy M. Gordon, Barry I. Graubard, Timothy G. Gregoire, Michael S. Hamada, Donald R. Hedeker, Ph.D., Steven C. Hillmer, Genshiro Kitagawa, Kenneth J. Koehler, Danyu Lin, Xihong Lin, Robin H. Lock, Sharon L. Lohr, Agustin Maravall, John D. McKenzie, Jr., Sally C. Morton, Haikady N. Nagaraja, Anthony R. Olsen, Franz Christian Palm, Linda Williams Pickle, Dale J. Poirier, Marion R. Reynolds, Jr., Robert H. Riffenburgh, Paula K. Roberson, Frank W. Rockhold, Dr. Thomas P. Ryan, Ashish Sen, Douglas G. Simpson, Ph.D, Richard L. Smith, Edward J. Spar, Gabor J. Szekely, Thomas R. Tenhave, John H. Thompson, Dr. Edward F Vonesh, Preston J. Waite, Matthew P. Wand, Suojin Wang, Andrei Y. Yakovlev, Heping Zhang
1999	Charles H. Alexander, Jr, Martha B. Aliaga, Charles Anello, A. John Bailer, Mark P. Becker, Roger L. Berger, Jane M. Booker, Bradley P. Carlin, Alicia L. Carriquiry, Ching-Shui Cheng, Gregory Enas, Michael J. Evans, Jianqing Fan, Arthur Fries, Dr. Beth C. Gladen, Larry V. Hedges, Vicki S. Hertzberg, James J. Higgins, Jonathan R. M. Hosking, Joseph G. Ibrahim, Valen E. Johnson, Benjamin Kedem, Mei-Ling Ting Lee, Albert M. Liebetrau, David Madigan, Joseph W. McKean, Alvaro Munoz, Per Aslak Mykland, William L. Nicholls, II, Giovanni Parmigiani, Charles A. Rohde, N. Phillip Ross, Sanat K. Sarkar, Jun Shao, Ehsan S. Soofi, Keith A. Soper, Michael L. Stein, George P. H. Styan, Roy Noriki Tamura, Dennis H. Tolley, Roger E. Tourangeau, Mark G. Vangel, Ann E. Watkins, Daniel H. Weinberg, Bruce S. Weir, Lisa A. Weissfeld, Robert L. Wolpert, Wing-Hung Wong, Mark C. Yang, Zhiliang Ying, Stuart O. Zimmerman

Resources and Recognition of Applied Statisticians in ASA

Marlene J. Egger, Jennifer Gauvin, and the ASA Committee on Applied Statisticians
University of Utah Department of Family and Preventive Medicine, Division of Public Health; GlaxoSmithKline

Abstract

Applied statisticians are a fundamental constituency of ASA. A number of ASA services, resources, and awards are oriented toward the career needs and recognition of applied statisticians. For the purposes of this poster, we are defining an applied statistician as a person whose major career contributions involve the use of statistics in another field, rather than the development of statistical theory and methods. This poster documents the ASA awards given to applied statisticians as well as the resources and services that ASA makes available to applied statisticians, with a particular focus on 2000-2009.

Resources

1. ASA policy and scientific statements promoting proper application of statistics and advancing the statistics profession
2. Section activities and continuing education
3. Networking in Chapters
4. Committee on Applied Statisticians
   - Master's Notebook in AmStat News
   - Panels and roundtables at JSM
   - Coordination with other units of ASA on issues important to applied statisticians
5. ASA Website www.amstat.org
   - Careers in statistics
     - Which industries employ statisticians?
     - Career Opportunities in Business and Industry
     - Federal Career Opportunities
     - Opportunities in Health and Medicine
   - Career resources
     - Jobweb
     - Salary surveys
     - Other resources
       - List of statistical software
       - What is a Survey?
       - Committee on Minorities in statistics
       - Committee on Women in Statistics
       - Amstat News

Recognition

1. ASA Awards Given to Applied Statisticians
2. ASA Fellow Awards
3. Chapter Awards
4. Section Awards

ASA Awards Given to Applied Statisticians

- **Fellows of the ASA**
- **Deming Lecturer Award**
- **W. J. Dixon Award for Excellence in Statistical Consulting (established, 2008)**
- **Outstanding Statistical Application Award**
- **Statistics in Chemistry Award**
- **W. J. Youden Award in Interlaboratory Testing**
- **Founders Award**

Number & Percent of ASA Fellow Awards

Year	Academe		Business/Industry		Government		Total
	#	%	#	%	#	%	
2010	43	81.1%	5	9.4%	5	9.4%	53
2009	36	63.2%	15	26.3%	6	10.5%	57
2008	32	60.4%	13	24.5%	8	15.1%	53
2007	37	62.7%	11	18.6%	11	18.6%	59
2004	36	64.3%	11	19.6%	9	16.1%	56
2005	38	67.9%	8	14.3%	10	17.9%	56
2006	50	83.3%	5	8.3%	5	8.3%	60

Acknowledgments:

Special thanks to Bob Starbuck for data on Fellows.

Your Turn:

Can you identify Sections with useful resources for applied statisticians? Please put:

- **green dots** next to the sections where you know there are useful resources available to applied statisticians
- **blue dots** next to the sections which give awards to applied statisticians.

☐ Use an index card to tell us more about resources that are/would be useful to applied statisticians.

Sections

Bayesian Statistical Science
Biometrics
Biopharmaceutical
Business and Economic Statistics
Government Statistics
Health Policy Statistics
Nonparametric
Physical and Engineering Sciences
Quality and Productivity
Risk Analysis
Social Statistics
Statistical Computing
Statistical Consulting
Statistical Education
Statistical Graphics
Statistical Learning and Data Mining
Statistical Programmers and Analysts
Statistics and the Environment
Statistics in Defense and National Security
Statistics in Epidemiology
Statistics in Marketing
Statistics in Sports
Survey Research Methods
Teaching of Statistics in the Health Sciences