See You in
CINCINNATI!

ALSO:
Deans Offer Advice to
Statistics Departments
Boost Your Career in
Washington
Special Offer for all ASA Journal Subscribers

Save 20% on books from the ASA-CRC Series on Statistical Reasoning in Science and Society with code PMA18, and review our latest journal issues.

Visualizing Baseball
Jim Albert, Bowling Green State University, Ohio, USA
ISBN: 9781498782753 - $29.95 – $23.96
A collection of graphs will be used to explore the game of baseball. Graphical displays will be used to show how measures of batting and pitching performance have changed over time, to explore the career trajectories of players, to understand the importance of the pitch count, and to see the patterns of speed, movement, and location of different types of pitches.

Errors, Blunders, and Lies
How to Tell the Difference
David S. Salsburg, Yale University, New Haven, CT, USA
In this follow-up to the author’s bestselling classic, "The Lady Tasting Tea", David Salsburg takes a fresh and insightful look at the history of statistical development by examining errors, blunders and outright lies in many different models taken from a variety of fields.

Attending JSM18? Visit us at booths 337, 436 and 438 to receive your complimentary JSM18 FreeBook and more!
features

3 President's Corner
5 Update from the ASA Task Force on Sexual Harassment and Assault
7 Recognizing the ASA’s Longtime Members
13 Highlights of the April 13–14, 2018, ASA Board of Directors Meeting
15 Proposed Revisions to the ASA Bylaws
17 Deans Offer Advice to Statistics Departments
20 GWU Alumni Revisit Campus to Share Insights, Give Career Tips
21 Boost Your Career in Washington
22 10 Win Statsketball Challenge, Prove Statistics Is Fun
23 Six Women Describe Their WiTNY Winternship Experiences
26 2017 Audit Report for the American Statistical Association

columns

30 STATTr@k
The Local ASA Chapter Is My Justice League

STATTr@k is a column in Amstat News and a website geared toward people who are in a statistics program, recently graduated from a statistics program, or recently entered the job world. To read more articles like this one, visit the website at http://stattrak.amstat.org. If you have suggestions for future articles, or would like to submit an article, please email Megan Murphy, Amstat News managing editor, at megan@amstat.org.

32 STATS4GOOD
The (Higher) Power of Data for Good

This column is written for those interested in learning about the world of Data for Good, where statistical analysis is dedicated to good causes that benefit our lives, our communities, and our world. If you would like to know more or have ideas for articles, contact David Corliss at davidjcorliss@peace-work.org.

34 PASTIMES OF STATISTICIANS
What Does Steve Ascher Like to Do When He Is Not Being a Statistician?

This column focuses on what statisticians do when they are not being statisticians. If you would like to share your pastime with readers, please email Megan Murphy, Amstat News managing editor, at megan@amstat.org.
Online Articles

The following articles in this issue can be found online at http://magazine.amstat.org.

IN MEMORIAM  Sadly, Prodyot Kumar Bhattacharya, Herman Rubin, and Eun Sul Lee passed away recently. To read these members’ obituaries, visit http://magazine.amstat.org.

IN THE NEWS! In April, Bowling Green State University recognized longtime ASA member Jim Albert for his lifetime of contributions to his discipline and Bowling Green State University by conferring the title of distinguished university professor on him. Albert was also honored at the 2018 Faculty Excellence Awards on April 9. More can be found at the Bowling Green website: www.bgsu.edu/news/2018/04/distinguished-university-professor.html.

The ASA’s Chris Barker has agreed to serve as designated statistical reviewer for a new open-access journal, the Journal of Patient-Reported Outcomes, which is owned by the International Society for Quality of Life Research and managed by Springer. Having a designated statistical reviewer contributes to the consistency in the methodological standards across all papers and importantly assists the editors. View the journal online at www.springer.com/medicine/journal/41687.

Make the most of your ASA membership
Visit the ASA Members Only site: www.amstat.org/membersonly.
A new term entered our national vernacular last year: “alternative facts.” Although its use has provided new material for the comic stage and late-night talk shows, it has caused consternation among scientists (e.g., http://bit.ly/2wPE44b).

JSM 2017 featured no fewer than five sessions about government statistics, including one titled “Doomed Data … When National Governments, Coerced Narratives, and Alternative Facts Override the Quality, Importance of Statistics” (see http://bit.ly/2IN8FV6). And earlier this year, the AAAS annual meeting featured a brainstorming session about ways to deal with or push back against alternative facts shown to be false (see http://bit.ly/2GqYuAm).

Even before alternative facts became a reality (pun intended), ASA Board members had an interest in determining our membership’s views on official statistics and whether public confidence in them had been affected by public dialogue. We engaged Stanton Communications to conduct focus group interviews to this effect, and out of this initial data gathering grew an exciting ASA initiative: Count on Statistics.

In early May, I had the opportunity to interview Megan Berry from Stanton Communications about the initiative. Here is what she had to say:

Why did the ASA decide such a project was needed?

Berry: Amid rising concerns about public confidence in US government statistics, the American Statistical Association commissioned Stanton Communications to conduct a study to determine the feasibility of a public outreach initiative to enhance awareness of the importance, reliability, and trustworthiness of government statistics.

We conducted more than a dozen interviews with key ASA leaders, members, and subject-matter experts with a perspective on this topic. One such interviewee stated, “We do not need to determine if there is a problem. There is a problem. The public doesn’t trust government statistics or understand where the data are coming from.”

Through these candid conversations, Stanton determined the opportunities, challenges, and objectives a strategic communications program may involve. Clearly, there was a need for a program with the mission to “distinguish federal statistics as absolutely essential to the functions of our democracy.” With the support of ASA leadership and the board, we created Count on Stats to do just that.
Meet Erica Groshen
Former BLS Commissioner and Leadership Institute Steering Committee Member

A former director of the second-largest federal statistical agency, the Bureau of Labor Statistics (BLS), is the final member of the ASA Leadership Institute’s Steering Committee to be in the President’s Corner spotlight. We are privileged to have Erica Groshen, BLS commissioner from 2013–2017, advising the institute on the development of strong statistical leaders. Erica is currently a visiting senior scholar at Cornell University’s School of Industrial and Labor Relations (ILR). Prior to leading the BLS, she worked in the Federal Reserve System. Throughout her career, she has maintained a focus on research, development, and outreach. As a labor economist, Erica’s research taps into employer data to better understand the role of employers in the labor market and to gain insight into wage differences, rigidity, and the impact of recessions.

Regarding statistical leadership, Erica contributed one of my favorite quotes to date from the Institute’s Steering Committee. When discussing the importance of leadership training for statisticians during our first meeting, she noted that, “People rise to leadership positions from different career paths, and CEOs were something else before becoming CEOs.” Traditionally, she noted, these roles went to those trained in business or law, but with the increasing importance of data and analytics in all employment sectors, it is perhaps inevitable that statisticians should be tapped for these top posts and should not feel limited in pursuing them.

Regarding the Count on Statistics initiative, Erica commented that federal statistics are very much a public service and represent the baseline for methodological work seeking to improve the way data from surveys and other sources are used today. Thoughtful critiques of official statistics are valuable. Data sources and methods are evolving, and it is important that users understand the limitations of their use. But this is not the same as uninformed critiques, attacking without that understanding. Statisticians should be defending official statistics on a regular basis in their social and professional environments. Otherwise, we are missing an opportunity to defend our own work.

About the Leadership Institute, Erica noted that, “There is a role for professional associations like the ASA to help their members advance in their careers.”

We are fortunate to have Erica and the other steering committee members guiding the planning and operation of the institute and look forward to their continued commitment.

What approach has the campaign taken and why?
Berry: The campaign has focused on communicating the benefits of the federal statistical system—how we, as a society, “Count on Stats.” To promote this message, we work to influence the influencers, engage the user base, and amplify agency and partner communications through a variety of channels. We have engaged our key audiences—our allies, the press, members of Congress, the business community, and statistical agencies—through social media, op-eds, blogs, media interviews, press releases and statements, monthly e-newsletters, and even articles in Amstat News.

What has been accomplished thus far?
Berry: Our early efforts have focused on developing a social following, primarily on Twitter, responding to threats to the system (see http://bit.ly/2INI4qH), and building relationships with key members of the media. We have garnered direct mentions in CQ Magazine, Associations Now, and City Lab. ASA Executive Director Ron Wasserstein was also featured on the Consortium of Social Science Association’s Why Social Science series, expressing how statistical agencies produce data essential for democracy. Last week, Count on Stats also sponsored a panel at SABEW18 (see https://sabew.org/sabew18) on accessing accurate government statistics and concerns about disappearing data.

What is planned for the future?
Berry: In the coming months, we will be doing more to reach out to members of the media and policymakers. This will help us proactively influence the conversation and gain a further reach. We also plan to continue emphasizing the importance of the federal statistical system by featuring a statistical agency on Twitter every week. In addition, the Count on Stats team is working to develop and host a panel featuring speakers from Congress, the press, and the federal statistical community. With this integrative approach, we hope to better educate our audiences and rebuild the public’s trust in federal statistics.

Learn more about the Count on Stats initiative at countonstats.org or on Twitter @CountonStats.

Whether encouraging and training statisticians to fulfill their leadership potential or making sure official statistics are understood and valued, just remember—you can count on the ASA!
Update from the ASA Task Force on Sexual Harassment and Assault

Leslie McClure, Task Force on Sexual Harassment and Assault Chair

Over the past few years, public acknowledgement of sexual harassment/assault has emerged as a critical workplace and professional issue in need of greater attention. No social environment is immune to it. Members of associations like the American Statistical Association deserve policies that preserve the dignity of members individually and professionally. In November of 2017, the ASA Board of Directors approved the formation of the Task Force on Sexual Harassment and Assault.

The charge of the task force is as follows:

1. Assess the extent of sexual harassment/assault in the ASA community.
   - Review surveys used by other professional organizations to assess the prevalence of sexual harassment/assault.
   - Develop an ASA membership survey to assess the frequency, location, and kinds of harassment/assault occurring.
   - Distribute the survey to ASA membership.
   - Summarize the findings from the survey.

2. Review the current best practices of professional organizations and academic institutions with respect to sexual harassment/assault.

3. Consider creation of a resource that allows victims of sexual harassment and assault to anonymously receive support.

4. Make recommendations to the ASA Board of Directors regarding sexual harassment/assault policy changes for the organization.

What follows is an update on our activities since the task force was approved by the board.

During the two months following the formulation of these charges, the ASA president, in consultation with the executive director, appointed task force members with the goal of including a diverse, representative cross-section of the ASA membership. The membership of the task force can be found at http://bit.ly/2KyP7AW.

The task force members convened for the first time at the end of January and have met a few more times since. There are regular meetings scheduled going forward and members have begun addressing the charges above. Task force members are diverse and each brings different experiences to the table, thus enabling lively discussion with a variety of perspectives.

Following is the progress made on each of the four main charges:

Survey of Sexual Harassment/Assault in the ASA Community

We are fortunate to have experienced survey statisticians among our task force membership who drafted a plan describing options for developing and implementing a way to gather information about our membership’s experiences and perceptions of sexual harassment. As we reviewed the potential paths available for this effort (e.g., formal or informal survey, census), it became clear this was an undertaking larger than could be handled by the task force. The ASA has thus graciously agreed to fund a membership survey and has put out a request for proposals (RFP) to external organizations.

The chosen organization will contact all ASA members and give them an opportunity to answer a set of questions related to their
people news experiences and perceptions of sexual harassment. The responses will not constitute a probability sample, but will provide valuable information about the severity of these issues among our membership.

In addition to the obvious benefits of allowing professionals to manage this effort, it also allows the data to “live” outside of the ASA, which is important given the sensitive nature of the data collection.

The RFP was developed by the ASA staff and has been reviewed and revised by the task force. It was made publicly available on April 25, 2018.

Early in our discussions, we reached out to colleagues at the American Political Science Association (APSA), which recently published the results of its survey on sexual misconduct in their discipline (www.apsanet.org/divresources/sexualharassment). We received important and useful feedback from their executive director that helped guide some of our discussions about our approach.

Review of Best Practices

We have been assembling information from other professional organizations regarding their policies on sexual assault and harassment, both for meetings and professional conduct. In this vein, we included a request for input (http://bit.ly/2Gq8FVz) from ASA members in the April 18 member e-newsletter.

Resource for Anonymous Reporting

We have not yet directly addressed the development of a mechanism for anonymous reporting of incidents of sexual assault and harassment; however, for most of our discussions, reporting is an issue we have touched on. As we move forward with developing policy recommendations, discussions of a reporting mechanism will be the next step.

Policy Recommendations to the ASA Board

With respect to policy recommendations to the ASA Board, we have started the process of examining the current meeting conduct policy (http://bit.ly/2GrCu8s) and are brainstorming ways to improve the policy and the means by which it is communicated to the ASA membership. This has led to discussions about policy for meeting conduct vs. policy for professional conduct. In addition, we have had much discussion about psychological, confidentiality, legal, and reporting issues that may arise through implementation of such policies, thus resulting in recommendations that the ASA employ an ombudsperson for the Joint Statistical Meetings. This would allow reporting to occur in a confidential manner and to someone who has training in the psychological and legal actions necessary in these situations.

In addition to the topics described above, we have talked about how to engage the ASA community more broadly in our efforts. We have therefore reached out to the Committee on Women in Statistics, Committee on Professional Ethics, and Committee on Membership Retention and Recruitment to ensure we align our efforts. We are particularly interested in working with the Committee on Professional Ethics to ensure we address the professional conduct aspects of sexual misconduct. In addition, as described above, we have solicited input from the ASA membership regarding best practices for an inclusive meeting/organization and plan to solicit input on our draft policy recommendations.

We have made a decision to be proactive, rather than reactive, and to think about the long-term goals of our recommendations. It is our hope that the recommendations we make are approved by the ASA and make an impact on the health and happiness of our organization.

The ASA Task Force on Sexual Harassment and Assault welcomes your input. Visit bit.ly/ASATaskForceContactUs to provide feedback.
Recognizing the ASA’s Longtime Members

The American Statistical Association would like to thank its longtime members by continuing its tradition of honoring those who joined the association 35 or more years ago. This year, we recognize the members here for their distinguished and faithful membership.

If you are a longtime member and will be attending the Joint Statistical Meetings in Vancouver, British Columbia, Canada, please join us for a reception in your honor. If your name is not below and you believe it should be, contact Amy Farris at amy@amstat.org to correct your record.

Following this list is a Q&A with a few of our longtime members—find out why they have remained members of the ASA for so long.

50+ Years

Abdelmonem A. Afifi
Khazan C. Agrawal
Dennis J. Agner
Jack Alanen
Philip J. Ambrosini
Sigmund J. Amster
Gary M. Andrew
Charles E. Antle
Barry C. Arnold
James N. Arvesen
Orley Ashenfelter
Joseph R. Assenzo
Orley Ashenfelter
Barbara A. Bailar
Joseph R. Assenzo
A. Ronald Gallant
Wayne A. Fuller
Carol Holly E. Fuchs
Edward L. Frome
Donald A. S. Fraser
Ralph F. Frankowski
Robert F. Cooley
William F. Conover
Miles Davis
January D. Cryer
Jonathan D. Cryer
Maurice C. Bryson
Maurice C. Bryson
William J. Conover
Miles Davis
Lawrance M. Darlow
Eugene M. Laska
William J. Latzko
William D. Lawing
Jerald F. Lawless
Anthony James Lawrence
Eun S. Lee
David Levine
Robert A. Lew
Thomas M. Lewis
Robert G. Lovell
James M. Lucas
Stanley E. Lunde
Lars Lyberg
Edward MacNeal
Brian D. Macpherson
Albert Madansky
Charles R. Mann
Nancy R. Mann
Helen Marcus-Roberts
Jack A. Marshall
Harry F. Martz
John I. McCool
Lyman L. McDonald
Robert L. McKnight
Robert A. McLean
Curtis Meinert
James I. Mellon
Edward L. Melnick
Peter F. Merenda
Paul W. Melkie Jr.
William L. Mietlowski
William J. Hill
Milton C. Heuston
William J. Hill
Bruce Hoadley
Vincent Hodgson
Paul W. Holland
Myles Hollander
Paul B. Huber
J. Stuart Hunter
Arthurross A. Itkin
Gudmundur A. Iversen
Laurence F. Jackson
Aridaman K. Jain
F. E. James Jr.
Richard A. Johnson
Bruce Johnston
Richard H. Jones
Joseph B. Kadane
Balvant A. Kale
Graham Kalton
Marvin J. Karon
Marvin A. Kastenbaum
Gordon M. Kaufman
Thomas Keefe
Kathleen M. Keenan
William J. Kennedy
Jon R. Kettenring
Benjamin F. King
Elizabeth S. King-Sloan
John J. Kinney
Melville R. Klauber
Brian E. Klauber
Michael H. Klein
Gary G. Koch
Uwe Koehn
David C. Korts
Stephen L. Kozanich
Richard J. Kryscio
Lawrence L. Kupper
Thomas E. Kurtz
Michael H. Kutner
Ronald E. Kutcher
Peter A. (Tony) Lachenbruch
John C. Lambert
Kenneth C. Land
James M. Landwehr
Kinley Lamitz
Eugene M. Laska
William J. Latzko
William D. Lawing
Jerald F. Lawless
Anthony James Lawrence
Eun S. Lee
David Levine
Robert A. Lew
Thomas M. Lewis
Robert G. Lovell
James M. Lucas
Stanley E. Lunde
Lars Lyberg
Edward MacNeal
Brian D. Macpherson
Albert Madansky
Charles R. Mann
Nancy R. Mann
Helen Marcus-Roberts
Jack A. Marshall
Harry F. Martz
John I. McCool
Lyman L. McDonald
Robert L. McKnight
Robert A. McLean
Curtis Meinert
James I. Mellon
Edward L. Melnick
Peter F. Merenda
Paul W. Melkie Jr.
William L. Mietlowski

june 2018 amstat news 7
### Longtime Members

**45–49 Years**

- G. Arthur Mihram
- George A. Milliken
- Robert Mondschein
- Billy J. Moore
- Jerry L. Moreno
- Carl N. Morris
- Donald F. Morrison
- John W. Morse
- Effat A. Moussa
- Mervin E. Muller
- Thomas D. Murphy Jr.
- Janet M. Myhre
- Patricia L. Nahas
- Charles B. Nam
- Joseph L. Naus
- Wayne B. Nelson
- Marc Nerlove
- John Neter
- Anna B. Nevius
- S. Edward Nevius
- David S. Newman
- Peter C. O’Brien
- W. Michael O’Fallon
- Robert L. Obenchain
- Jerry L. Ogleby
- Anthony R. Olsen
- Richard A. Olshen
- J. Keith Ord
- Anthony M. Orlando
- Bernard Ostle
- Charles D. Palit
- Vernon E. Palmour
- Takis Pappanomou
- Darrell W. Parke
- Robert P. Parker
- James L. Pate
- Rusi K. N. Patell
- Ganapati P. Patil
- Jon K. Peck
- Edward B. Perrin
- Roger C. Pfaffenger
- Eswar G. Phadia
- Louis A. Pingel
- S. S. R. Rao Poduri
- Ralph D. Pollard
- Richard F. Potthoff
- John W. Pratt
- Ross L. Prentice
- Philip L. Press
- Bertram Price
- Charles H. Proctor
- Philip C. Prorok
- Madan L. Puri
- David A. Pyne
- Dana Quade
- J. G. Ramage
- J. N. K. Rao
- Carol K. Redmond
- George F. Reed
- Joan S. Reich
- Robert H. Riffenburgh
- Larry J. Ringer
- Naomi B. Robbins
- Bruce E. Rodda
- Charles A. Rohde
- Joan R. Rosenblatt
- Donald C. Ross
- Paul F. Ross
- Richard S. Ross
- Robert A. Rutledge
- Harold B. Sackrowitz
- Susan T. Sacks
- David S. Saliburg
- Charles B. Sampson
- Innis G. Sande
- Patricia D. Saunders
- Richard L. Scheaffer
- Robert R. Schefer
- David Schenker
- Fritz J. Scheuren
- J. Richard Schmid
- Stanley Schor
- William R. Schucany
- Stanley L. Sclove
- Donald T. Sears
- Neill Sedransk
- Daniel G. Seigel
- Prabab K. Sen
- Robert J. Serfling
- Jolayne W. Service
- Babubhai V. Shah
- Nagamalal Shah
- Gary M. Shapero
- William F. Shaw
- Iris M. Shimizu
- Jon J. Shuster
- Norzer D. Singpurwalla
- Betty J. Skipper
- Armand V. Smith Jr.
- Dennis E. Smith
- William Boyce Smith
- Ronald D. Snei
- Mitchell Snyder
- Daniel L. Solomon
- Edward J. Spar
- Douglas E. Splitstone
- Stephen M. Stigler
- Jerrell T. Stracener
- William E. Strawderman
- George P. H. Styan
- Nariaki Sugira
- Michael Sutherland
- D. Herk Swain
- Paul Switzer
- Douglas B. Tang
- Elliot A. Tanis
- Judith M. Tanur
- Aaron Tenenbein
- James R. Thompson
- Leo J. Tick
- Lowell H. Tomlinson
- James Tonascia
- J. Richard Trout
- Bruce E. Trumbo
- Chris T. Tsokos
- N. Scott Urquhart
- Willem R. Van Zwet
- James R. Veale
- Ray A. Waller
- James A. Walsh
- William G. Warren
- Edward J. Wegman
- Bruce S. Weir
- Herbert I. Weisberg
- Raymond L. Wilder
- George W. Williams
- John Williams
- William H. Williams
- Othmar W. Winkler
- Robert L. Winkler
- John J. Workowski
- John E. Witcher
- Janet Wittes
- Douglas A. Wolfe
- John Harmon Wolfe
- Robert F. Woolson
- Gooloo S. Wunderlich
- Morty Yalovsky
- Donald E. Young
- Douglas A. Zahn
- Ann Graham Zauber
- Calvin Zippin

- Judith Abrams
- Lee R. Abramson
- Chris Adcock
- Frances J. Adox
- Robert A. Agnew
- Alan Agresti
- Per A. T. Akersten
- Arthur E. Albert
- Mir Masoom Ali
- Mukhtar M. Ali
- Francis B. Alt
- Stan Altman
- Alfred Jerry Anderson
- Dallas W. Anderson
- Robert L. Andrews
- Lawrence Annable
- W. Ted Archambault Jr.
- Jesse C. Arnold
- Ensen Arsehen
- Taka Ashikaga
- Conrin L. Atwood
- Agustin F. Ayuso
- Abdolrahman Azari
- Vincent P. Babarba
- William A. Barnett
- Charles K. Bayne
- Richard A. Becker
- Richard J. Beckman
- Mary S. Beersman
- Timothy M. Bergquist
- Kenneth N. Berk
- Wayne F. Biales
- Lynne Biller
- David S. Birkes
- Lennart Bodin
- Robert J. Bok
- Gordon J. Brackstone
- Ellen F. Brewer
- Richard K. Burdick
- John A. Burkart
- Patricia L. Buis
- Lawrence S. Cahoon
- William L. Carlson
- Margaret D. Carroll
- Raymond J. Carroll
- Walter H. Carter Jr.
- Raj S. Chhikara
- Joan Sander Chmiel
- William S. Cleveland
- James L. Colaianne
- John R. Collins
- Kimon J. E. Constas
- Margaret D. Copenhaver
- Robert J. Costello
- Brenda G. Cox
- Giles L. Crouse
- John R. Crigler
- Robert D. Curley
- Gary R. Cutter
- Gerard D. Dallal
- Robert F. Davis
- Enrique de Alba
- David L. DeMets
- Susan J. Devlin
- Thomas F. Devlin
- Jay L. DeVore
- Paula M. Diehr
- W. Erwin Dievert
- Dennis A. DuBose
- Joseph W. Duncan
- Brenda Kay Edwards
- Janet D. Elashoff
- Eugene P. Erickson
- James W. Evans
- Milton C. Fan
- Thomas B. Farver
- Alan Fisk
- Robert E. Fay
- Martin Feuerman
- Alan C. Fisher
- Nicholas I. Fisher
- Andrew J. Flatt
- Nancy Flournoy
- Mary A. Foulkes
- Martin D. Fraser
- Daniel H. Freeman Jr.
- David Frantz
- Mark C. Fulcomer
- Mitchell H. Gail
- Edward J. Gainer
- Stephen J. Ganoczy
- Daniel J. Gans
- Turkam K. Gardner
- Alan E. Gefland
- David E. Giles
- Edward J. Gilroy
- Phyllis A. Gimotty
- Howard Seth Gitlow
- Dennis R. Givens
- John R. Gleason
- Prem K. Godfrey
- Robert N. Goldman
- J. Douglas Gordon
- Louis Gordon
- Bernard S. Gorman
- David M. Grether
- William E. Griffiths
- Joseph A. Guarnieri
- Victor M. Guerrero
- Shelby J. Haberman
- Hermann Habermann
- Timothy O. Halley
- James L. Hall
- Nancy R. Hall
- R. Choudry
- Hanumara
- Frank E. Harrell Jr.
- Robert M. Hauser
- Richard M. Heiberger
- Lance K. Heilbrun
- Karl W. Heiner
- Eugene R. Heyman
- James J. Higgins
- Klauss Hinkelmann
- David C. Hoaglin
- Theodore R. Holford
- David W. Hosmer Jr.
- David C. Howell
- Ina P. Howell
- Mark Hudes
- Huynh Huynh
- Dar-Shong Hwang
- Ronald L. Iman
- Peter B. Imrey
- Allen E. Isu
- William E. Jackson III
- Gooloo S. Kittlitz Jr.
- Keel Koss
- Helena C. Knaemer
- S. David Kriska
- Robert Kushler
- John M. Lachin III
- Lynn Roy LaMotte
- Carol J. Lancaster
- Kenneth D. Lawrence
- Sheila M. Lawrence
- Stanley A. Lemeshow
- Russell V. Lenth
- Donald Lewin
- Charles Lewis
- David L. Libby
- Gary L. Liberson
- Greeta M. Ling
- Michael T. Longnecker
- Thomas A. Louis
- George W. Lynch
- Bruce E. Mackey
- Dennis R. Mar
35–39 Years

Longtime members

Michael A. Adena
Joseph Adwee-Bonsah
Dorothée P. Aeppli
Sung K. Ahn
Christian M. Alaouze
Adelin I. Albert
Jeanne M. Aldred
Melvin T. Alexander
Paul D. Allison
Dhammi Amaratunga
Yasuo Amemiya
Kathryn H. Anderson
John Angle
John E. Angus
Thomas Arbutski
Stephan Amdt
Sarah J. Arterburn
Jenny A. Baglivo
John Bailer
Jenny A. Baglivo
J. Michael Hardin
Marc Hallin
Alula Hadgu
Sam Gutterman
Ramesh C. Gupta
Pushpa L. Gupta
Antonio F. Gualtierotti
Miriam S. Grosof
Yves Grize
Michael A. Greene
John W. Green
Edwin J. Green
G. Jay Graepel
G. Jay Graepel
Janis G. Grechko
Edwin J. Green
John W. Green
Michael A. Greene
Daniel A. Greer
Timothy G. Gregoire
Yves Grize
David J. Groggel
Miriam S. Grosofil
Antonio F. Guaitteroti
Oliveir J. M. Guillaud
Pushpa L. Gupta
Ramesh C. Gupta
Yesy Gustap
Sam Gutterman
Josue Guzman
Alula Hadgu
Michael D. Hale
Marc Hallin
J. Michael Hardin
Rachel M. Harter
Nancy C. Hassett
Trevor J. Hastie
Nathaniel Alan Heckert
Charles E. Heckler
Donald R. Hedeker
Daniel F. Heitjan
Wolf-Dieter Heller
Victoria Black Henc
David H. Henry
Keith Heyen
Susan G. Hilsenbeck
Joseph G. Hirschberg
Edward C. Hirschland
Myron Hynka
James S. Hodges
Howard R. Hogan
David B. Holiday
Paul S. Horn
Amelia Dale Horne
Welling J. Howell Jr.
Wei-Min Huang
David L. Hubble
Norma Faris Hubele
Esther Sid Hudes
Beverly Adams Huet
Arthur L. Hughes Jr.
Edward Hughes
Clive A. Hunt
Gerardo Ignacio Hurtado
Luis H. Hurtado
Shelley Hurwitz
Sandra L. Hyndan
Deborah D. Ingram
Henry F. Inman
Harald K. Inerson
Patricia A. Jacobs
Debra J. Jacobson
Denis George Janky
Guillermina Jasso
Christopher Jennison
Daniel R. Jeske
B. Alan Johnson
Robert E. Johnson
Wesley Orin Johnson
Jeri Metzger Mulrow
Keith E. Muller
Bo Henry Lindqvist
Ernst Linder
Bo Henry Lindqvist
Wayne S. Lindsay
Barbara A. Lingg
Charles L. Liss
Regina Y. Liu
Joseph J. Locascio
Wei-Yin Loh
Jeffrey A. Longmate
James T. Love
Joseph F. Luke
Helmut Luetkepohl
Michael J. Lu Valle
Esfandiar Maasoumi
Donald Macnaughton
Greg Maislin
Michael K. Mara
Laurentius Marais
James C. March
David A. Marker
Paul J. Marovich
James Stephen Manon
Adam T. Martinsek
Joe Matsuoka
Carl A. Mauro
Charles Maynard
Allen A. McIntosh
Raymond E. McIntyre
Gerald W. McLaughlin
Gregory C. McLaughlin
Kenneth B. McRae
Robert W. Mee
Shahedena S. Menjoge
William S. Messina
R. Daniel Meyer
William T. Morgan
Stephan Morgenthäler
Elizabeth A. Morgenstern
Christopher H. Morrell
Michael Joe Morton
Linda C. Moss
Ronald P. Mowers
Daniel H. Mowrey
Robert A. Muench
Nitis Mukhopadhyay
Jürgen Muller
Keith E. Muller
Jeri Metzger Mulrow
Raymond E. McIntyre
Gerald W. McLaughlin
Earl R. Miller
Longtime members

Akinori Ohashi
Ann W. Olmsted
George Ostrovich
Mark C. Otto
Soo Peter Ouyang
Franz Christian Palm
J. Lynn Palmer
Sasay G. Pantula
Mary R. Parker
Jeffrey R. Parno
Lee Parsons
Antonio Pascual-Acosta
Steven C. Patch
Sudhir Ranjan Paul
Robert J. Pavur
David J. Pawel
Roxy L. Peck
Elgin S. Perry
Kimberly T. Perry
John D. Pesek Jr.
Gerald L. Phillips
Walter W. Piegorsch
Mark M. Perzchala
David Pollard
Michael J. Pomerantz
Dudley L. Poston
Paul N. Powell III
Stanley Presser
J. Michael Price
Jamie K. Pugh
William M. Pugh
Trivellore E. Naghunathan
James O. Ramsay
David C. Randall
Dabeeru C. Rao
Richard F. Raubertas
Howard L. Rauch
David M. Rebbuson
Nancy Reid
Wasima N. Rida
William J. Riley
James S. Roberts
Richard A. Rode
Jack Rodgers
Ward Rodriguez
John W. Rogers
Javier Rojo
Jorge Luis Romeu
Elvezio Ronchetti
Robert J. Rosati
Mitchell J. Rosen
Peter E. Rossi
Peter J. Rousseeuw
Don A. Royce
Keith F. Rust
Roland T. Rust
Pedro J. Saavedra
Mehmet Sahinoglu
Ulderico Santarelli
Michael J. Santulli
Sanat K. Sarkar
Adriano L. Sarmiento
Stephen M. Scarano
Daniel J. Schaid
Nathaniel Schenker
Mark F. Schilling
David C. Schlotzhauer
Paul R. Schneeman
John R. Schoenfelder
Loren T. Schoof
John D. Schoofield
Donald E. Scheiner Jr.
Linda Kay Schultz
Lonni R. Schultz
Lawrence A. Schwartz
Sidney H. Schwartz
John Weldon
Seaman Jr.
Marilyn M. Seastrom
Gilg U. H. Seeber
Joseph Severs
Bahman Shafii
Steven J. Shapiro
Simon J. Sheather
Mack C. Shelley II
Mark R. Shenkman
Malcolm J. Sherman
Weichung J. Shih
Lucy Shneyer
Holly B. Shulman
Arthur R. Silverberg
Stephen D. Simon
Christopher John Skinner
Richard A. Smiley
Charles Eugene Smith
Elizabeth C. Smith
Fraser B. Smith
Robert A. Smith
Steven M. Snapinn
Karen L. Snowden-Way
Ying C. So
Joong Kweon Sohn
Eric R. Sowey
Refik Soyer
James C. Spall
John J. Spinelli
Andrew W. Spisak
Gene D. Sprechini
Kadaba P. Srivath
Cidambi Srinivasan
Paul G. Staneski
Leonard A. Stefanis
David M. Steinberg
Seth M. Steinberg
Lorsanne C. Steiner
Barbara Stevens
Maura E. Stokes
Mark C. Strong
Theresia A. Stukel
Mark Lionel Suda
James J. Swain
Winson Taam
Yoshio Takane
Roy Noriki Tamura
Deborah L. Tasky
Greg C. Taylor
Jeremy M. G. Taylor
Timo L. Terasvitta
Norma C. Terrin
Jeffrey D. Tew
Brian J. Thelen
David M. Thissen
Neal Thomas
Ronald G. Thomas
Lori A. Thrombs
David J. Thomson
Yeow-Meng Thum
Terrence Tivnan
Carmen L. Traxler
Michael W. Troset
Ruey-Shiong Tsay
Clyde Tucker
Thomas P. Turiel
David M. Umbach
Leo E. Uphur
Leslie A. Van Allisteric
Amelia S. Velasquez
Robert L. Vogel
Stanley Van Hagen
Edward F. Vonesh
William Dennis Wacker
Paul G. Wakim
Chih-Ming Wang
Ronald L. Wasserstein
Ann E. Watkins
Sheila O’Leary Weaver
Carol Weideman
William J. Welch
Stefan Welk
Alan H. Welsh
James G. Wendelberger
Joanne R. Wendelberger
Donald B. White
Glenn D. White, Jr.
David A. Whitney
Alice S. Whitemore
John L. Wieting
William E. Wilkinson
Thomas R. Willemain
Christopher J. Williams
Jeffrey R. Wilson
Timothy H. Wilson
William E. Winkler
Jeffrey A. Wittmer
Marty J. Witt
Luke G. Wolfe
F. Lennie Wong
John R. Woods
Patricia Wozniak
Lap-Ming Wun
John Charles Wurst
Emmanuel Yashchin
Linda J. Young
Cun-Hui Zhang
Georgia Ziemba
Morgan
Dale L. Zimmerman
David M. Zucker
Rebecca Zwick
Highlights of the April 13–14, 2018, ASA Board of Directors Meeting

ASA President Lisa LaVange convened the first ASA Board meeting of 2018 at the ASA offices in Alexandria, Virginia. The highlights of the meeting follow.

**Discussion Items**

- The board engaged in a lively strategic planning discussion, resulting in ideas that will find their way to the pages of *Amstat News* in the coming months.
- The board reviewed an ASA Statement on Conveying Forensic Findings. Board approval through the Board Executive Committee will follow after some minor changes.
- The board met with Juan Meza, the new director of the Division of Mathematical Sciences (DMS) at the National Science Foundation. Meza outlined areas of current and future investment for DMS. He emphasized the connection of funding to the NSF’s “Ten Big Ideas.”

**Action Items**

- The following editorial appointments were made:
  - Ricardo Cao, University of A Coruña, *Journal of Nonparametric Statistics*, 2019–2021

---

**2018 Board of Directors**

- **Lisa LaVange**, President
- **Karen Kafadar**, President-Elect
- **Barry Nussbaum**, Past-President
- **Kathy Ensor**, Third-Year Vice President
- **David Williamson**, Second-Year Vice President
- **Katherine Monti**, First-Year Vice President
- **Paula Roberson**, Third-Year Council of Chapters Representative
- **Julia Sharp**, Second-Year Council of Chapters Representative
- **Don Jang**, First-Year Council of Chapters Representative
- **Eileen King**, Third-Year Council of Sections Representative
- **Jim Lepkowski**, Second-Year Council of Sections Representative
- **Katherine Halvorsen**, First-Year Council of Sections Representative
- **Cynthia Bocci**, International Representative
- **Scott Evans**, Publications Representative
- **Amarjot Kaur**, Treasurer
- **Ron Wasserstein**, Executive Director and Board Secretary
• Journal prices were reviewed and an increase of 5% on institutional North American and international print and online prices for 2019 was approved, as was a 2% increase on ASA member rates for print. Online access for ASA members is free.

• The board approved a revision to the ASA’s Guidelines for Ethical Statistical Practice. The revision addresses areas of professional misconduct not addressed in the current guidelines. The updated guidelines are posted at http://bit.ly/2rPHv6e.

• The board updated the policy for formation of ASA outreach groups to clarify the purposes for such groups.

Reported Items

• Associate Executive Director and Director of Operations Steve Porzio updated the board on ASA financials for 2017. The year ended in the black. Also, Porzio and ASA Treasurer Amarjot Kaur presented the results of the ASA’s annual audit. The board thanked Porzio and staff for another clean audit.

• Kaur also updated the board on the status of the ASA’s investments. Investments gained about $2.5 million in value in 2017. Market value at the end of March 2018 was about $20.6 million.

• Kaur also presented proposed changes to the ASA bylaws to update the names and descriptions of some of the standing committees related to finance and budget. Those proposed changes are being published in this issue of Amstat News.

• The board received progress reports on the strategic initiatives launched by ASA President Lisa LaVange. All are well under way. In addition, ASA President-elect Karen Kafadar discussed with the board ideas she has for 2019. Further discussion of those ideas and detailed proposals to implement them will follow.

• The Council of Chapters Governing Board (COCGB) and the Council of Sections Governing Board (COSGB) reported on their recent activities. The COCGB highlighted its work to monitor the “health” of chapters and noted the creation of a new chapter, the Columbus (Ohio) Chapter. On the “health” theme, the COSGB has been developing better ways to evaluate the well-being of sections, including fiscal status and services to section members.

• Vice President Williamson presented the annual report of the Membership Council. These council reports help the board stay connected with ASA committees, and vice versa. Board members learned of committee activities and plans and heard questions or concerns from committees.

• Amanda Malloy, ASA director of development, provided a brief update on the ASA’s fundraising activities, and Steve Pierson, ASA director of science policy, updated the board on our advocacy work. Malloy noted that 2017 was our best year yet in terms of fundraising, continuing a multi-year string of best years. Pierson noted the launch of the ASA’s Count on Stats program, concerns about statistical agency independence in Puerto Rico, the latest developments with the citizenship question being added to the Census, and numerous other items of importance to our community.

• ASA Executive Director Ron Wasserstein updated the board on the follow up to the successful Symposium on Statistical Inference, held in October 2017. Later this year, a special issue of The American Statistician on the topic of statistical inference will serve as a “work product” of the symposium, though papers were welcomed from everyone, not just symposium participants. This special issue will be online only and open access.

The full board meets again July 27–28 in Vancouver, immediately prior to the start of JSM 2018. The board will also have its annual budget meeting on June 8 at the ASA HQ in Alexandria, Virginia. ■
Proposed Revisions to the ASA Bylaws
Recommended by the Board of Directors April 13, 2018

The ASA Board of Directors proposes the following modifications to the ASA bylaws. (http://bit.ly/2Gsz19p) The purpose of the changes is to ensure the ASA’s finance-related committee charges are consistent with current best practices and to update some provisions that are either no longer applicable or not reflective of current best practices.

Finance-related committee charges:
Article IX. COMMITTEES
4.a. Audit Committee. The Audit Committee shall consist of the Treasurer, who acts as chair, the chair of the Budget Committee, and the Past President. It shall periodically recommend an audit firm to the Board of Directors; serve as the Board of Directors’ liaison to the Association’s auditors; represent the Board of Directors in discharging its responsibilities relating to the accounting, reporting, and financial practices of the ASA; have general responsibility for surveillance of internal controls, accounting, and audit activities of the ASA; ensure the audit is carried out in a fiscally sound manner; review with the audit firm their audit procedures, including the scope and timing of the audit, the results of the annual audit, and any accompanying management letters; assess the adequacy of internal controls and risk management systems; review the IRS Form 990, 990-T, and Virginia Form 500; review the document destruction and whistleblower policies; and review material about any pending legal proceedings involving the ASA. The Audit Committee shall annually recommend a budget for action by the Board of Directors. It serves as the Board of Directors’ liaison to the Association auditors. It is responsible for seeing that the audit is carried out in a fiscally sound manner and that reports are prepared as needed by the Board of Directors.

4.b. Budget Committee. The Budget Committee shall consist of the three Vice Presidents and Treasurer, the latter ex officio without vote. The senior Vice President shall serve as chair of the committee. The Committee shall annually recommend the operating budget for the coming fiscal year, including the Association staff compensation budget (salaries and fringe benefits), for action by the Board of Directors; periodically review the Association’s financial results in comparison to the budget; and periodically assess the facilities needs of the Association home office. The Committee shall annually recommend a budget for action by the Board of Directors. It is also responsible for annually evaluating the capital budget, the salary classification structure, and the fringe benefits. The Committee shall also periodically review the incomes, expenditures, and allocations during the year for consistency with the budget; the accounting system employed and the budgeting process; and the facilities needs of the Association home office. If it so chooses, the Board of Directors as a group may serve as the Budget Committee.

5.d. Finance Investments Committee. The Finance Investments Committee shall recommend to the Board of Directors, and assess adherence to, investment guidelines that will improve the safety, return, reporting, or management of the investment accounts; periodically review the holdings in the investment accounts of the Association; assess appropriate benchmarks for investment performance; evaluate the performance of the investment managers and consultants; recommend to the Board of Directors, as appropriate, steps that will improve the safety, return, reporting, and/or management of the investment accounts; and such other matters related to the financial performance of the Association as the Board may assign from time to time. The Finance Committee shall consist of the Treasurer as chair and six full members, each serving a three-year term, designated by the President-Elect.

Other revision recommendations:
Article X. PUBLICATIONS
4. Directory. At suitable intervals, the Association shall make available a directory of its members. At suitable intervals, the Constitution and By-Laws of the Association shall be published.
Article II. FINANCE

3. Authority. All funds of the Association shall be deposited with the Treasurer, who shall make disbursement therefrom under regulations of the Board of Directors. The Treasurer shall have authority to purchase securities with funds that the Board of Directors has designated for investment and to sell such securities, but such purchases and sales shall be made only in accordance with such guidelines as the Board of Directors shall prescribe.

The Board of Directors may appoint full members of the Association residing outside the United States to serve as depositories for funds.

With the approval of the Board of Directors, the Treasurer may delegate the powers listed in the first paragraph of this section, as well as the power to sign checks and to access safe-deposit boxes.

4. Surety Bonds. All persons who are responsible for the disbursement of funds shall be insured by a surety and performance bond in amounts and with companies approved by the Board of Directors. Fidelity: All persons who are responsible for the disbursement of funds shall be held as covered under a blanket Employee Dishonesty policy at limits approved by the Board of Directors.

10. Indemnity. The Association shall indemnify each person who was or is a party or is threatened to be made a party to any threatened, pending, or completed action, suit, or proceeding, whether civil, criminal, administrative, or investigative, by reason of serving at the request of the Association as a director, officer, employee, or agent of another organization, against all judgments, penalties, fines, and settlements, and against all reasonable expenses, including attorneys’ fees, actually incurred in connection with such action, suit, or proceeding, to the fullest extent permitted by Massachusetts law, except if the actual or potential liability is due to the person’s own negligence or gross negligence, or criminal misconduct, or action in violation of ASA rules or policies.

Note: In accordance with the bylaws, the membership shall have 75 days to review and respond to any proposed change. Please direct comments to the executive director and ASA secretary at Ron@amstat.org by September 15, 2018. Member comments will be shared with the ASA Board of Directors before further action regarding these changes is taken.

THE AMERICAN STATISTICIAN HIGHLIGHTS

May Issue Has Something for Everyone

The May 2018 issue of The American Statistician features 13 articles that span a range of methodology and application areas. There is something for everyone.

The General section begins with an article about identifiability and estimation issues that arise when parametric families are extended with extra parameters for increased flexibility. A second article investigates the effect of standardization on multicollinearity measures, and a third article discusses the construction of joint distributions from marginal distributions in such a way that constraints on the random variables are satisfied.

The lineup for Teacher’s Corner includes an experience report on a curriculum design for a professional master’s program of statistical practice. A second paper investigates incomplete data inference methods for “shaved dice.” A third paper proposes a graphical display of type-2 errors when testing for a normal distribution, and the final paper in this section develops and compares methodologies when using regression analysis to detect aging trends.

You will find two Short Technical Notes. The first develops a fast algorithm for computing the expected value of sample central moments, and the second offers alternative proofs that a Laplace distribution can be represented as a Gaussian mixture.

There are also two papers in the Statistical Practice Section. The first is a discussion about Cochran’s rule-of-thumb on the adequacy of the chi-square test for independence in a contingency table, and the second is an investigation of the effect population skew can have on sample size formulas.

Finally, there are two papers contributing to the Interdisciplinary and Statistical Computing and Graphics sections of the journal. The first studies high-school dropout rate and proposes correspondence analysis as a way to obtain additional insight. The second paper advocates for the use of symbolic computing tools and uses a context in which the efficient score test is of interest.

To read these articles or submit your work to The American Statistician, visit www.tandfonline.com/toc/tutas20/current.
In academia, statisticians have been appointed to university administrative positions. Pioneers include W. Allen Wallis, president of the University of Rochester, 1962–1970; Albert Bowker, chancellor at the University of California, Berkeley, 1971–1980; Gertrude Cox, director of the Institute of Statistics at the Consolidated University of North Carolina, 1945–1960; and Lowell Reed, president of The Johns Hopkins University, 1953–1956.

During the past decade, there has been an acceleration of this process (see [www.amstat.org/asa/news-home.aspx](http://www.amstat.org/asa/news-home.aspx)). These more recently appointed academic administrators who are also statisticians can offer valuable perspectives about the current dynamic atmosphere for statistics. With this motivation, an invited panel discussion session was organized for JSM 2017 that included five distinguished deans who are renowned statisticians in their own right: Rebecca Doerge, Montserrat Fuentes, Sally Morton, H. Joseph Newton, and Sastry Pantula. The breadth of their academic experiences gave them excellent perspective on statistics and the challenges now facing statistics departments.

The goal for the discussion was to provide insights for statisticians in the “trenches.” Allan Sampson of the University of Pittsburgh was the session organizer and moderator. To help focus the discussion, four broad areas were delineated:

1. Based upon their experiences as deans, what advice would the panelists offer to individuals in statistics departments who are dealing with the many challenges facing statistics departments in our current environment (e.g., managing growth, developing interdisciplinary programs (particularly with regards to data science), marketing and publicizing departments, and developing and mentoring personnel)?

2. How do the panelists’ academic backgrounds impact their relationships with the statistics departments in their setting?

3. What advice would the panelists as deans wish they could give their past selves as department administrators that would have been helpful to know at that time?

4. What advice would the panelists give to academic statisticians who would like to pursue a track in academic leadership, in particular, building an appropriate portfolio of experiences? Also, what are the panelists’ views about addressing the difficulties in balancing leadership responsibilities with both research and personal lives?
While the panelists explored some of these areas in depth, other areas were addressed more tangentially. What follows is a summary of their discussion with a few additional observations.

The panelists broadly observed that successful university leaders have great communication skills and are flexible in their outlook and actions. Importantly, they have a passion for what they do. Their collective view was that being a department chair or head was one of the hardest jobs on campus, but also among the best jobs for making a real impact.

Their advice for department chairs, as well as other leaders, is to think one level above where they are. Faculty, for instance, might consider the various concerns of the chair when proposing an idea or request.

More specific observations were that chairs need to get along with other chairs and deans. Chairs need, for example, to make “deals” and build collaborative enterprises that are mutually beneficial to multiple university units. And chairs are recommended to avoid unnecessary participation in politics. Chairs are part of the dean’s leadership team and not just the department’s advocate. It was suggested a chair holds an unhelpful viewpoint if they find themselves saying, “I fought with the dean and here’s what I got.”

It is important for a chair to be able to make decisions. To be an effective decision-maker, panelists’ advice included “don’t perseverate too much,” “be as transparent and ethical as possible,” “be clear about the criteria for the decision,” and “be collaborative.” Making hard decisions with faculty, students, and staff is a skill chairs must master because decisions are often made hard by difficult people. Some panelists thought chairs shouldn’t necessarily assume “the university has your back” in all situations. The panel agreed among themselves that deans should empower chairs and faculty to, as one panelist noted, “figure it out.”

In approaching deans about issues and concerns, the panelists recommended chairs should understand the constraints facing a dean and aspire to make the dean’s life easier. A way to accomplish this is to base solutions to problems upon evidence and, as a panelist observed, possibly offer three solutions to an issue—one that is free, one that is expensive, and one in between. Also suggested when scheduling a meeting with the dean is sending a written agenda and, ideally, a one-page executive summary in advance.

In regard to fundraising, for both deans and chairs, the panelists agreed philanthropy is
part of the job. For deans, it is not unusual for one-third of the dean's time to be devoted to fundraising. The panel strongly suggested it is best to focus on the donor's passions and interests, not the chair's, when a chair is talking to prospective donors. And as one panelist said, "It is always important to listen!"

To obtain funding from industry, a chair should be proactive in approaching a possible company by having the company identify in advance what their needs are so the statistics department can be appropriately responsive with the right faculty presenting. One panelist used this approach with local industry and noted it would often lead to research contracts. Caution was expressed about not spreading a department's resources too thinly, as making promises that can't be sustained is counterproductive for the department in the long run.

The panel uniformly advocated it is absolutely essential for statistics departments to be involved in the data science era. Even if the department's sentiment is that it is too late to do so, the panel urged it is never too late and the department should just start to get involved and not necessarily start big. Moreover, they said that for a statistics department not to be part of data science disadvantages the department's students. To facilitate statistics departments' involvement in data science, the panelists recommended that having joint appointments both sets the stage and advances the relationships. To further these relationships, the panel agreed it is imperative that a statistics department's faculty venture out from their offices and spend time interacting with other departments' faculties.

Within their universities and the broader community where they are located, the panelists believed statistics departments need to expend much more effort to "market themselves." Many colleges have good publicity people, and it should not be seen as "bragging" for a statistics department "to tell its story."

Several panelists urged statisticians to do more than "academic papers" and work on research that "matters" and make sure it's known. One panel member suggested a statistics chair should "empower" the more extraverted faculty to promote the department and that not every faculty member need "get onboard" to do this. Another offered that chairs should always have available three promotional "bullets," one for departmental research, one for teaching, and one for service and outreach.

An obvious suggestion, but one that is often missed, is for departmental faculty, staff, and students to include in their self-identification that they are a "member of the department of statistics" in any professional public setting where they are introducing themselves.

Prior to discussing some of the challenges faculty face in taking on administrative responsibilities, several panelists noted two specific challenges statistics chairs and statisticians in general face in an academic environment. One is the need to "constantly explain" why statisticians should have different promotion criteria than most of the physical and social sciences. Motivating this concern is that accomplished statisticians have portfolios with both basic statistical research and high-level collaborations in a variety of settings, including with researchers, policy makers, and governmental organizations. The other challenge identified was the sense that when statistics is part of a university's science division, there are some in the sciences who hold a view that statisticians are not "really scientists." To counter these ideas, panelists remarked that having more national statistics awards would be excellent.

For academics taking administrative positions, the panel thought some of their colleagues criticized them for abandoning their departments when they should have been supportive of their "being an advocate of their discipline while serving in a broader leadership position." Further disconcerting to the panel was the "perception that faculty, especially women, go into administration in mid-career because their research wasn't successful." Contrary to this misperception, the panel collectively agreed that, as an administrator, one should maintain one's research career. Not only is this satisfying, it also makes it less difficult to deal with highly accomplished faculty in negotiating tough issues.

To have more statisticians move into administration, the panel reiterated that the discipline should support fellow statisticians who focus on administration, thereby benefitting statistics and other disciplines more broadly.

Overall, the panelists agreed that being a department chair or dean is both rewarding and personally gratifying. They concluded by strongly encouraging the audience to make use of their statistical backgrounds to be leaders in serving their departments and the broader academic community.
GWU Alumni Revisit Campus to Share Insights, Give Career Tips

Although the school’s official homecoming was a month prior, the American Statistical Association Student Chapter at The George Washington (GW) University hosted a homecoming redux of sorts on March 3, welcoming back five statistics and biostatistics alumni for a two-hour career panel so they could share their insights on entering the job market as newly minted graduates.

Roughly 50 graduate students from the statistics, biostatistics, and data science programs attended the event headlined by five alumni speakers: Cheung Li, National Cancer Institute; Wayne Woo, GlaxoSmithKline Vaccines; Guoxi Yan, American Society for Engineering Education; Yuqing Lu, Kaiser Permanente; and Haijun Wang, Arkansas Children’s Hospital. They shared tips on writing résumés, preparing for interviews, and burnishing critical soft skills such as teamwork and effective communication. Afterward, the panelists “loosened their ties” and enjoyed pizza, drinks, and casual conversation with students during the closing networking hour.

“We are privileged to have such fantastic alumni willing to give back to the students following in their footsteps,” noted event organizer Xiaoyan Yin. “That, combined with assistance of my team members—Bo Ye, Jialu Wang, and Tian Pei—and the support of the ASA national organization and the GW Statistics Department, were instrumental to the event’s success.” Chapter Co-Presidents Xiaoyu Zhai and Arnold Saunders agreed. They said these events drive home the value of ASA membership to students and pulling together a large event like this is a clinic in leadership skills that can’t be picked up in a classroom.
Mathematicians and statisticians are in high demand in the federal government. With assignments in federal agencies, on Capitol Hill, and in the judicial branch, AAAS Science and Technology Policy Fellows are on the front line of vital issues affecting society. The AAAS Science and Technology Policy Fellowships (STPF) are the premier opportunity for outstanding mathematicians, statisticians, scientists, and engineers at any career stage to learn first-hand about policy-making while contributing their STEM mindset to American government.

STPF alumni leverage their fellowship experience in myriad ways. Carla Cotwright-Williams is now a scientist at the US Department of Defense. Karoline Pershell has become executive director of the Association for Women in Mathematics and research director at a tech company.

The yearlong fellowship runs annually from September through August and includes a class of close to 300 fellows representing a broad range of backgrounds and disciplines. Engaging with policymakers, administrators, and thought leaders, fellows broaden their networks and career paths. After the fellowship, fellows become members of a strong corps of 3,000+ alumni—policy-savvy STEM leaders in academia, government, industry, and the nonprofit arena.

Currently, there is a particular need for statisticians among STPF ranks. Learn more and apply to become a fellow at http://bit.ly/2IrOGMg. Also, watch a video series about the benefits of being a fellow and how to apply at http://bit.ly/2wMwsQ9.
Statsketball 2018 pitted students in 189 teams against each other to predict the outcomes of the 2018 NCAA Men’s Basketball Tournament using statistics. The two contests included the “Pick ‘Em”: Upset Challenge to predict the winners of the first-round games and the “Build Your Own Bracket”: Draft Challenge to select teams from 224 draft points and assemble a cohort from seeded participants to earn the most overall points.

The contest invited students to apply statistics—the science of learning from data—to one of the biggest sporting events of the year, proving that statistics can be fun and applied to any field.

“Pick ‘Em”: Upset Challenge Winners

High School:
- First Place: Sophie Mason, Senior, Valley Christian High School, San Jose, California
- Honorable Mention: Gino Assenmacher, Junior, Monroe High School, Monroe, Michigan
- Honorable Mention: Makendra Grubel, Senior, Mauldin High School, Simpsonville, South Carolina

Undergraduate:
- First Place: Jake Oringel, Freshman, The University of North Carolina, Charlotte, North Carolina
- Honorable Mention: Ashley King, Senior, Anderson University, Anderson, Indiana
- Honorable Mention: Andy Li, Sophomore, Carnegie Mellon University, Pittsburgh, Pennsylvania

“Build Your Own Bracket”: Draft Challenge

High School:
- First Place: Addie Morris, Senior, West Branch High School, Beloit, Ohio
- Honorable Mention: Savanna Triplette, Senior, West Branch High School, Salem, Ohio

Undergraduate:
- First Place: Luke Benz, Junior, Yale University, Middlebury, Vermont
- Honorable Mention: Mitchell Collins, Senior, California Polytechnic State University, San Luis Obispo, California

“The ASA congratulates this year’s Statsketball winners for their exceptional creativity and well-executed methodologies,” said ASA Executive Director Ron Wasserstein. “All the participants showed that statistics can be applied to any field of interest and can be fun as well.”

MORE ONLINE
Want to be ready for next year’s Statsketball and other contests? Sign up for the ThisIsStatistics email list at http://bit.ly/This-Is-Statistics-Email.
Six Women Describe Their WiTNY Winternship Experiences
Rosa Basevich, Neeru Bhagirath, Maria Mahin, Noorulain Paracha, and Christina Sarcone

In 2018, 46 companies joined Women in Technology and Entrepreneurship in New York’s (WiTNY) “winternship” program to pair undergraduate women pursuing technical majors from the City University of New York (CUNY) with internships during their winter break.

WiTNY is an initiative between CUNY, Cornell Tech, and industry with the mission to facilitate, encourage, and enable a significant increase in the participation of women in both higher education and entrepreneurship in fields related to technology in the New York market. Through strategic initiatives and purposeful integration with key institutions and programs in New York City, WiTNY targets high-school girls getting ready for college, as well as undergraduate and graduate women, preparing them to secure a rewarding and lucrative position in the technology industry.

This year, Pfizer—through the women’s leadership network WOW (women owning the way)—hosted six winterns in a three-week program. The women were immersed in topics related to Pfizer’s business, with an emphasis on how technology plays a role through applications of computer science, data science, and digital media.

Rosa Basevich
Undergraduate Student, Hunter College

I am currently a junior at Hunter College, pursuing a bachelor’s of computer science and a math and German minor. As part of the winternship program, I was paired with Pfizer in the Real-World Data and Analytics Center of Excellence. I was able to get familiar with the pharmaceutical industry and Pfizer through the means of a group project.

For our group project, we tried to find solutions to combat the opioid epidemic using machine learning. Though our project was mainly research based (we could not write algorithms that would analyze trends within groups that would identify opioid abuse for lack of time and experience), it was extremely informative. During the research stage of the project, we learned about many groups that have also found solutions through machine learning to identify trends in opioid abuse.

In addition to the group project, we had individual managers in the business technology department of Pfizer. Having never taken a statistics course before, working in data analytics was both challenging and rewarding. I was introduced to the software R and was able to use regression analysis and ROC curve to interpret and quantify large data sets.

Working with Kelly (my manager) has inspired me to take a big data course and learn more about data science. I also hope to take more advanced statistics courses in my academic future. I was also surprised to see the vast technological presence Pfizer has. Seeing apps like BeLive (meant to aid patients who have fibromyalgia) and the many emerging technology products was inspiring, since it shows code working in the real world, reaching and helping many people.
Neeru Bhagirath  
*Undergraduate Student, Macaulay Honors College at The City College of NY*

I am pursuing a biotechnology degree with a double minor in computer science and public policy at The City College of New York. I plan to use the combination of my studies to combine health care and technology to create a more accessible world.

Prior to this winternship at Pfizer Inc., I did not have much exposure to tech or business beyond college courses; however, I was able to gain an expansive overview of what measures are taken to make a pharmaceutical company successful.

Within my three weeks, I worked on a departmental project and a challenge project. The purpose of the departmental project was to create a game to promote inclusivity among the domestic and international offices, and the challenge project was to come up with a way to combine Pfizer’s core health care values and with today’s increased importance on technology and communication.

Through working on the challenge project, I learned about valuable lessons in teamwork, modern day epidemics, and—most of all—how important it is for a company to use their outreach to invoke change among the public.

Maria Mahin  
*Undergraduate Student, Hunter College*

I am a fourth-year student at Hunter College, studying computer science with an interest in technology, education, and health care. I spent my first three years of college studying nursing, where I was able to see how technology critically shapes the way we prevent, diagnose, and treat diseases. Later, I taught myself how to program and fell in love with it. Since then, I’ve dreamed of one day using technology as a means of helping people live longer, healthier lives.

This winternship program provided an opportunity for me to learn from inspiring female leaders and see how technology and health care can be intertwined. During the three weeks of the program, I conducted research for the digital strategy team and worked with five other interns to devise a way in which Pfizer can use emerging channels of media and technology to better engage patients in their health.

What impacted me the most from my time at Pfizer was seeing firsthand the powerful role technology has in shaping patient health outcomes. From the use of wearable devices to monitor and communicate patient health information to the applications of machine learning in disease diagnosis and drug development, technology has become inseparable from health care. Specifically, my time at Pfizer has sparked my interest in data science and how analyzing increasingly massive amounts of health care data can help companies like Pfizer better understand and tailor life-changing treatments for patients.

This semester, I am taking a big data course and a machine learning MOOC (massive open online course). Moving forward, I hope to further explore this field, as well as other intersections between technology and health care.
Noorulain Paracha  
Undergraduate Student, Macaulay Honors College at Brooklyn College

I am a sophomore in the Macaulay Honors Program at Brooklyn College. I am interested in combining my passion for medicine and technology. During this winternship, I was part of the Commercial Oncology Business Team. I had the ability to analyze the usability of an application and create usage cases for applications created for field representatives. Completing this task allowed me to witness how Pfizer uses technology on a daily basis to improve patient outcomes.

I was amazed to see the heavy importance placed on using data to determine what future steps needed to be taken by the company. From the different presentations we had on real-world data, I was shown the value of statistical analysis to understand the progress of a medication. Furthermore, as a group of interns, we focused on the opioid epidemic the United States faces. We created a model of an application that would help identify when a patient is at risk of addiction. This application would involve the use of machine learning that could determine how a patient may be affected by prescription opioids. By completing this project, we hoped to improve the quality of a patient’s life and lessen this national problem.

Through my experience at Pfizer, I aspire to continue to learn about the role technology has in advancing health care.

Christina Sarcone  
Undergraduate Student, The City College of New York

I am currently an undergraduate sophomore student at The City College of New York, pursuing a bachelor’s degree in computer science with a pre-medical studies focus. I hope to pursue a career that will combine both interests of medicine and technology. As a data analyst intern during the winternship, I quickly learned the importance of data science within the health care sector. I was exposed to different projects within the department, one in particular being a rerouting system for sales representatives to improve their operations. The exposure to said projects has shown me that although the headquarters is not a clinical setting, they are still able to improve the lives of others behind the scenes with the help of technology.

This opportunity was unlike any other I have experienced. I am grateful for the individuals who have dedicated their time to exposing me to the benefits and potential of data science. This internship at Pfizer has expanded my knowledge on technology within health care and proving that although data yields one result on the surface, it is the key to solving many other problems as well.

Lab tour at Pfizer in Cambridge, Massachusetts. From left: “Winterns” Maria Mahin, Rosa Basevich, Shin Ah Oh (research associate), Aisha Khoda, Christina Sarcone, Neeru Bhagirath, Noorulain Paracha, and Michelle Clasquin (lab tour guide). Photo by Kelly H. Zou.
2017 Audit Report for the American Statistical Association

Audited Financial Statements
American Statistical Association
December 31, 2017

American Statistical Association

Contents

Independent Auditor's Report 1
Financial Statements
  Statements of financial position 2
  Statements of members 3
  Statements of cash flows 4
  Notes to financial statements 9 - 15
American Statistical Association

Statements of Financial Position

<table>
<thead>
<tr>
<th>December 31</th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$ 514,414</td>
<td>$ 547,075</td>
</tr>
<tr>
<td>Investments</td>
<td>28,918,361</td>
<td>18,369,042</td>
</tr>
<tr>
<td>Accounts receivable, net</td>
<td>571,809</td>
<td>504,591</td>
</tr>
<tr>
<td>Prepaid expenses</td>
<td>261,714</td>
<td>189,994</td>
</tr>
<tr>
<td>Property and equipment, net</td>
<td>4,795,995</td>
<td>7,707,341</td>
</tr>
<tr>
<td>Total assets</td>
<td>$ 32,864,872</td>
<td>$ 35,749,538</td>
</tr>
</tbody>
</table>

Liabilities and Net Assets

<p>| | | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Liabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$ 571,007</td>
<td>$ 918,719</td>
</tr>
<tr>
<td>Deferred revenue</td>
<td>8,014</td>
<td>10,939</td>
</tr>
<tr>
<td>Unearned</td>
<td>2,451,141</td>
<td>2,268,476</td>
</tr>
<tr>
<td>Net assets</td>
<td>1,854,417</td>
<td>1,503,549</td>
</tr>
<tr>
<td>Total liabilities</td>
<td>7,256,658</td>
<td>7,276,988</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>18,334,41</td>
<td>18,676,41</td>
</tr>
<tr>
<td>Unrestricted, temporarily restricted</td>
<td>1,281,407</td>
<td>1,534,186</td>
</tr>
<tr>
<td>Temporarily restricted</td>
<td>873,819</td>
<td>868,531</td>
</tr>
<tr>
<td>Permanently restricted</td>
<td>786,006</td>
<td>788,305</td>
</tr>
<tr>
<td>Total net assets</td>
<td>21,885,833</td>
<td>21,917,008</td>
</tr>
</tbody>
</table>

Total liabilities and net assets | $ 32,864,872 | $ 35,749,538 |

Independent Auditor's Report

To the Board of Directors,
American Statistical Association

We have audited the accompanying financial statements of American Statistical Association, which comprise the statements of financial position as of December 31, 2017 and 2016 and the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America. As such, management is responsible for establishing and maintaining adequate internal control over financial reporting and for the fair presentation of financial statements in accordance with such principles.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

We have performed our audit in accordance with auditing standards generally accepted in the United States of America. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the American Statistical Association as of December 31, 2017 and 2016 and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Tate & Tryon
Washington, DC
March 2, 2018

American Statistical Association

Statements of Activities

Years Ended December 31, 2017 and 2016

Operating Activities

<table>
<thead>
<tr>
<th></th>
<th>Unrestricted</th>
<th>Unrestricted</th>
<th>Temporarily Restricted</th>
<th>Permanently Restricted</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Revenue</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Tuition and library</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference and meeting fees</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants and contracts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total operating revenue and support</td>
<td>9,735,365</td>
<td>6,971,173</td>
<td>42,507</td>
<td>10,090</td>
<td>16,455,716</td>
</tr>
</tbody>
</table>

Expenses

<table>
<thead>
<tr>
<th></th>
<th>Unrestricted</th>
<th>Unrestricted</th>
<th>Temporarily Restricted</th>
<th>Permanently Restricted</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Tuition and library</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Conference and meeting fees</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Grants and contracts</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Total operating expenses</td>
<td>10,301,054</td>
<td>6,320,427</td>
<td>24,150</td>
<td>1,000</td>
<td>16,950,611</td>
</tr>
</tbody>
</table>

American Statistical Association

Statistics of Financial Position

December 31, 2017 and 2016

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Assets</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Cash and cash equivalents</td>
<td>$ 514,414</td>
<td>$ 547,075</td>
</tr>
<tr>
<td>Investments</td>
<td>28,918,361</td>
<td>18,369,042</td>
</tr>
<tr>
<td>Accounts receivable, net</td>
<td>571,809</td>
<td>504,591</td>
</tr>
<tr>
<td>Prepaid expenses</td>
<td>261,714</td>
<td>189,994</td>
</tr>
<tr>
<td>Property and equipment, net</td>
<td>4,795,995</td>
<td>7,707,341</td>
</tr>
<tr>
<td>Total assets</td>
<td>$ 32,864,872</td>
<td>$ 35,749,538</td>
</tr>
</tbody>
</table>

Liabilities and Net Assets

<table>
<thead>
<tr>
<th></th>
<th>2017</th>
<th>2016</th>
</tr>
</thead>
<tbody>
<tr>
<td>Liabilities</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Accounts payable and accrued expenses</td>
<td>$ 571,007</td>
<td>$ 918,719</td>
</tr>
<tr>
<td>Deferred revenue</td>
<td>8,014</td>
<td>10,939</td>
</tr>
<tr>
<td>Unearned</td>
<td>2,451,141</td>
<td>2,268,476</td>
</tr>
<tr>
<td>Net assets</td>
<td>1,854,417</td>
<td>1,503,549</td>
</tr>
<tr>
<td>Total liabilities</td>
<td>7,256,658</td>
<td>7,276,988</td>
</tr>
<tr>
<td>Unrestricted</td>
<td>18,334,41</td>
<td>18,676,41</td>
</tr>
<tr>
<td>Unrestricted, temporarily restricted</td>
<td>1,281,407</td>
<td>1,534,186</td>
</tr>
<tr>
<td>Temporarily restricted</td>
<td>873,819</td>
<td>868,531</td>
</tr>
<tr>
<td>Permanently restricted</td>
<td>786,006</td>
<td>788,305</td>
</tr>
<tr>
<td>Total net assets</td>
<td>21,885,833</td>
<td>21,917,008</td>
</tr>
</tbody>
</table>

Total liabilities and net assets | $ 32,864,872 | $ 35,749,538 |

Independent Auditor's Report

To the Board of Directors,
American Statistical Association

We have audited the accompanying financial statements of American Statistical Association, which comprise the statements of financial position as of December 31, 2017 and 2016 and the related statements of activities and cash flows for the years then ended, and the related notes to the financial statements.

Management's Responsibility for the Financial Statements

Management is responsible for the preparation and fair presentation of these financial statements in accordance with accounting principles generally accepted in the United States of America. As such, management is responsible for establishing and maintaining adequate internal control over financial reporting and for the fair presentation of financial statements in accordance with such principles.

Auditor's Responsibility

Our responsibility is to express an opinion on these financial statements based on our audit. We conducted our audit in accordance with the standards of the Public Company Accounting Oversight Board (United States). Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

We have performed our audit in accordance with auditing standards generally accepted in the United States of America. These standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement.

In our opinion, the financial statements referred to above present fairly, in all material respects, the financial position of the American Statistical Association as of December 31, 2017 and 2016 and the changes in its net assets and its cash flows for the years then ended in accordance with accounting principles generally accepted in the United States of America.

Tate & Tryon
Washington, DC
March 2, 2018
A. ORGANIZATION AND SUMMARY OF SIGNIFICANT ACCOUNTING POLICIES—CONTINUED

B. CONCENTRATIONS

C. INVESTMENT AND FAIR VALUE MEASUREMENTS

D. PROPERTY AND EQUIPMENT

E. Notes to Financial Statements

F. Notes to Financial Statements

G. Notes to Financial Statements

H. Notes to Financial Statements

I. Notes to Financial Statements

American Statistical Association

2017 Audit Report for the American Statistical Association Continued

28 amstat news june 2018
### American Statistical Association

**Notes to Financial Statements**

#### E. Join/Leave

The following schedule presents summarized financial information for the joint venture (in thousands), as to which the Association has a 64% equity ownership, as of and for the years ended December 31:

<table>
<thead>
<tr>
<th>Year</th>
<th>Net Income</th>
<th>Itemized Expense</th>
<th>Net Loss (Income)</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>$23,927</td>
<td>$120,583</td>
<td>$96,756</td>
</tr>
<tr>
<td>2018</td>
<td>$123,358</td>
<td>$120,583</td>
<td>$96,756</td>
</tr>
</tbody>
</table>

#### F. Related Parties

On August 4, 2005, the Association entered into an agreement with the Industrial Development Authority of the City of Austin to issue $40,000,000 of Industrial Development Revenue Bonds (the Bonds) on behalf of the Association to purchase and renovate a new building to be used as the Association’s national headquarters and to provide another location for the Association’s headquarters. The Bonds are secured by the Bonds and by a pledge of certain annual rentals due to the Association at December 31, 2017 and 2016 were $40,214 and $32,500, respectively. The agreement is secured by the assets of the Association.

#### G. Temporarily Restricted Net Assets - Continued

Temporarily restricted net assets were available at December 31, 2017 for the following purposes: and net assets were released from restriction by incurring expenses satisfying the restricted purpose as follows:

<table>
<thead>
<tr>
<th>Purpose</th>
<th>Amount</th>
<th>Percentage of NMMT</th>
<th>Final Reporting Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scholarships</td>
<td>$100,000</td>
<td>3.0%</td>
<td>2021</td>
</tr>
<tr>
<td>Fellow Awards</td>
<td>$100,000</td>
<td>3.0%</td>
<td>2021</td>
</tr>
<tr>
<td>Student Awards</td>
<td>$1,000,000</td>
<td>30.0%</td>
<td>2024</td>
</tr>
<tr>
<td>Scholarships</td>
<td>$100,000</td>
<td>3.0%</td>
<td>2021</td>
</tr>
<tr>
<td>Fellow Awards</td>
<td>$100,000</td>
<td>3.0%</td>
<td>2021</td>
</tr>
<tr>
<td>Student Awards</td>
<td>$1,000,000</td>
<td>30.0%</td>
<td>2024</td>
</tr>
</tbody>
</table>

#### H. Endowment - Continued

The Association has not made any grants to or from other endowment funds. The Association does not have any endowment funds that are dependent on the Association for operations and support. The Association’s endowment funds are subject to the same governance and investment policies as the other assets of the Association.

#### I. Encumbered Assets

The Association has a 61.5% profit-sharing plan and an money purchase plan. Both plans cover substantially all full-time employees, and a portion of part-time employees. Under the terms of the 61.5% profit-sharing plan, the Association allocates 61.5% of American Statistical Association's net income to the profit-sharing plan. The Association’s investments are made by a third-party administrator, and the Association maintains no direct investment control over the investments. The Association’s money purchase plan is a defined benefit pension plan. The Association’s contribution to the money purchase plan is based on a statistical formula. The Association’s contribution for the years ended December 31, 2017, and 2016 were $101,089 and $101,089, respectively.
I still recall a comic that emphasized the tragic childhood of Superman. After a hard day playing with his superdog, Krypto, a young, boyish Superman flies to the moon. Krypto is his best, in fact only, friend. He can only be himself with Krypto. He must hide his powers from everyone else to escape fear and persecution. He can’t play sports with the other children because he might throw the football too hard and decapitate somebody. He can’t make eye contact with a girl because he might accidentally incinerate her with his heat vision.

So, he sits on the moon instead. And he gazes through the vast, empty, lonely depths of outer space. And he cries.

Of course, years later—he finally discovers others like him. Wonder Woman! Batman! And everyone else! Through larger-than-life collaboration, they can tackle problems on a grander scale. Instead of helping old ladies cross the treacherous freeways of Metropolis, they instead are empowered to topple galactic dictatorships and fight world hunger and poverty. In their unity, they find increased productivity. And fulfillment. And, best of all, friendship.

Surely some of us can relate? The lone statistics professor embedded within a mathematics department, so loneliness was less of an issue. But I was myopic. And, perhaps this is something we might also be able to relate to, my entire statistical world for the first six years of my professional life was “The West Chester Math Building.” Thankfully, my world view was immeasurably broadened when I discovered the ASA.

The ASA was my professional turning point. My Justice League. And, for the most part, when I talk about the ASA, I am referring to my local chapter, the Philadelphia Chapter. Through our chapter, I learned firsthand about the amazing educational work being done not just by “The West Chester Math Building,” but by the dozens of surrounding colleges.

Through our chapter, I was humbled to learn about how our pharmaceutical colleagues are saving lives daily. Through our chapter, I was astounded to learn about the
shrewd, innovative statistical techniques our financially orient-ed fellows use daily to keep our economy running smoothly.

Through our chapter, I’ve seen the amazing, altruistic work in artificial intelligence being done by statisticians who are not only high-level researchers, but also my neighbors. Work that is doubt-less poised to change the world.

Most amazing of all, this is just the tip of the vast iceberg that is Philadelphia.

I wish I hadn’t wasted those six years. I wish I could have dis-covered the ASA earlier in my career, much as—I would imag-ine—Superman wishes he could have met Batman and Wonder Woman on some toddler play-date. But! While it is too late for us as it is, it is never too late for you. And, with that in mind, I hope you will consider the following suggestions:

1. If you have not already, please consider joining your local ASA chapter.

2. If you have already joined, then please consider reaching out to those around you and encouraging them to also join. If you are a teacher/professor, consider advertising the ASA’s astoundingly low (and perhaps financially irresponsible) student rates. Heck, consider asking your department or school to help pay for such memberships—if nothing else, through a raffle or data-thon. Ask professional colleagues to consider membership, as well. For those who are daunted by the nonstudent price tag of full-blown ASA membership, consider the possibility of chapter-only membership.

3. Consider reaching out to those who run your chapter. At the end of the day, we get out of life what we put into it, and we cannot discover the joys and benefits of a community without walking out of our own front door. What can the chapter do for you that would be personally meaningful? Even more importantly, in your discussions with colleagues who are not currently ASA members, ask them what the chapter might do that would make enrolling worthwhile for them. At the end of the day, your chapter is your chapter. And, despite being part of a vast, national organization, chapters still have the flexibility and freedom to be whatever we want them to be.

My hope as I started my tenure as chapter president was that we might find a way to unite, bringing together our unique powers and perspectives to best leverage our statistical super-her-oism for the greater good.

Or, perhaps more humbly, to show the world our area has more to be proud of than sports teams and regional cuisine.
Data for Good volunteers can be found in many places and situations—at work, Data for Good organizations like Statistics without Borders, DataKind, and topic-driven organizations focused on a particular subject such as supporting a school. One area attracting volunteers for good causes are faith-based organizations. Obviously, Data for Good brings in people across the spectrum—from entirely secular to religiously motivated, from every faith and none. For those connected to a faith-based group in some way, Data for Good volunteers can be an invaluable resource.

Many faith-based groups have turned to statistics and data science as critical components of achieving their mission of serving people and the community. Identifying drivers of poverty and homelessness, survey design and analysis, models to improve the effectiveness of refugee programs, discrimination and injustice research, and data-driven guidance for reform initiatives such as prisons and sentencing are a few examples of how faith-based groups are using statistical volunteers today. The most common use of statistics, however, is in operations research for the organization itself—surveys to understand the needs and interests of members, increasing membership and fundraising, and optimizing the use of space and other resources.

A great example of what can be done at a local level can be found at a synagogue in Chicago, Congregation Rodfei Zedek. Located near The University of Chicago and with many people having analytic experience in the congregation, Rodfei Zedek has formed its own informatics committee. Led by congregation member and statistician Andrea Frazier, the team’s goals include building stronger relationships and fostering data-driven advocacy in poverty, education, and social justice.
larger family associations. The informatics team digitized all the records, cleaned the data, established variables for various group memberships, and flagged special skills—for example, informatics! All members are matched to roles in which they possess the requisite skills to broaden the number of people participating. This database has resulted in more efficient program management, improved program participation, and better use of member resources.

The informatics team also evaluates programs. Surveys are conducted using one of the common online survey tools and the data analyzed and visualizations created to better understand how people feel about programs. Analysis produces data-driven insights to guide improvements. Predictive modeling is used to understand the key factors driving member engagement and estimate the attendance to be expected for a given event. Events can be selected based on the level of interest within the group and planned with clear expectations of the amount of participation. An event that will attract dozens or more can be placed in a larger room and more volunteers recruited to support it.

As people involved with charity management will be familiar, some important activities will attract just a handful of people. Predictive analytics can direct these toward smaller meeting rooms, or even other locations such as people’s homes.

Many important religious celebrations occur on different days in the civil calendar each year. Easter, for example, falls on the Sunday after the first full moon in spring, while Diwali falls on the new moon in the period from late October to early November. Predictive analytics can describe the interaction of these “moveable feasts” with the civil calendar based on day of the week and other events. Analytics predicting attendance—and therefore required resources—can also address over-crowded holiday periods. Predictive analytics can support an answer to those who want to push one more event into an already over-crowded holiday period by giving solid estimates of the number of volunteers required and how many people will be able to participate.

Statistical science can analyze and identify the challenges facing the wider community, enabling closer partnerships and helping to address the sadly common issue of congregations that have grown away from their surrounding community. Frazier emphasizes the diverse purposes Data for Good can serve, which can be used “to save the world, but it’s also valuable for enhancing your own community.... It’s a great tool for the greater good!”

Once an informatics team is developed, it can take on challenges well beyond the walls of the congregation. Assessing the needs of the community, fighting poverty and homelessness, supporting local schools—almost any objective of the community groups you are active in can be helped by a Data for Good team.

While the Rodfei Zedek informatics team was developed to use the analytic resources available within a particular community of faith, the model can be applied to many kinds of organizations. School support groups, service organizations (e.g., Rotary, Kiwanis, etc.), alumni organizations, and many more can benefit. As long as there is a large group of people, especially where there are many professions, there is likely to be a subset with the analytic and data skills needed to form an informatics team.

Does your community, civic, faith-based, or other organization use statistics and data science for projects in your community? Let us know! We are always looking for inspiring examples of Data for Good to feature in this column.

For new Data for Good opportunities this month, consider having a look at Statistics without Borders (http://bit.ly/2wSa5bW). It’s a great organization with many wonderful opportunities to work in Data for Good. Also, Peace-Work is looking for people interested in homelessness solutions to study the Utah program that has reduced homelessness there by 91% in recent years and perform economic analysis of the feasibility of doing the same in the investigator’s home state. You can contact them at www.peace-work.org.
Who are you, and what is your statistics position?

I am Steve Ascher, 2017 president of the ASA New Jersey Chapter. I was vice president in 2011 and 2012, president in 2013 and 2014, and president in 2016 and 2017. I’ve been an ASA member for more than 40 years. I retired from Johnson & Johnson in May of 2016 after nearly 40 years as a professional statistician (five years teaching at Temple University, seven years at two contract research organizations, and 26 years for J&J). My last position at J&J was as senior director, managing a phase 4 statistics group.

Tell us about what you like to do for fun when you are not being a statistician.

I have many hobbies that keep me busy (baseball memorabilia, coins, Beatles). A relatively new one, compared to those mentioned above, is horse show announcing. Riders compete in various disciplines at shows and the announcer—in concert with the judge and in-gate person—is responsible for letting the judge know who is in the ring for what is called the “over fences classes” (i.e., riders individually negotiate a series of eight jumps in a specific order).

I would say, “Now in the ring is number 121, Bonnie Ascher riding Chance Encounter.” (Bonnie, my daughter, did ride a horse called Chance Encounter. She is now an equine veterinarian.)

In what is called the under-saddle class, where all the riders are in the ring together, the announcer on cue from the judge tells the riders what to do. For example, when the judge says, “Walk to me,” I then announce, “All riders are being judged at the walk; all walk please.” When the judge has the results, they are given to me and I will announce, “First place and our congratulations go to number 121 Bonnie Ascher, riding Chance Encounter.”

In a different category, called show jumping, horses enter the ring one at a time and negotiate a set course of jumps. In show jumping, there is no subjectivity, as horses receive four faults for each jump rail knocked down and time faults if they go over the allotted course time. The object is to get zero faults. My announcing in this competition also lets the judge know who is in the ring and then to announce the total faults for each rider as they complete the round. I then announce the final results.

Being behind the microphone gives me the opportunity to express myself in ways my friends and family would not necessarily recognize! I try to make it exciting for the riders and spectators. In some larger events, I am provided with Olympic-style music, which I play as background while I announce the results. It lends a majestic air to the event!

What drew you to this hobby, and what keeps you interested?

I was originally drawn to announcing when the regular announcer at the barn where my daughter rode was not available. I filled in and have been doing it ever since. This was a way to help at our barn (no pay) and keep me involved in the horse show beyond watching my daughter compete. Now that I am retired, I announce at several area shows and actually get paid for it!

Sitting next to judges has given me a new appreciation for how difficult the sport is. It also gives me the opportunity to watch a sport I love up close and personal. I plan to increase my horse show announcing career!
Academic Twitter – Statistics Education

Many academics and fields use Twitter as a professional resource. As we all know, statistics education is a field filled with great ideas and wonderful people from all over the world. However, searches for posts relating to statistics education return few results, indicating a lack of presence of our field on Twitter. The information below should help academics and professionals who work at the intersections of statistics, education, and teaching to create and use Twitter accounts to help develop an active, informative social media network.

Definitions

- **Microblogging**: Activity or practice of making short, frequent posts to a microblog (e.g., Twitter).
- **Hashtag**: A word or phrase preceded by a hash or pound sign (#) and used to identify messages about a specific topic.
- **List**: A curated group of Twitter accounts. You can create your own lists or subscribe to lists created by others. Viewing a list timeline will show you a stream of tweets from only the accounts on that list.
- **Follow**: Following another user means that all their tweets will appear in your feed.

Uses of Twitter for Academics

- **Build/maintain professional networks**: during conferences; information sharing; literature recommendations; learn about academic/professional opportunities; career advice; microblogging
- **Advertise**: research; events; publications; other updates
- **Increase visibility**: individual; field

Academic Twitter Resources

- Using Twitter in Academia (http://bit.ly/2IRK7TI)
- 10 Commandments of Twitter for Academics (http://bit.ly/2I0uR9q)

Twitter Accounts to Follow

- @AmstatNews
  American Statistical Association
- @RoyalStatSoc
  Royal Statistical Society
- @CAUSEweb
  Consortium for the Advancement of Undergraduate Statistics Education
- @NCTM
  National Council of Teachers of Mathematics
- @IntCSE
  International Centre for Statistical Education
- @ThisisStats
  ASA project to raise awareness of careers in statistics
- @signmagazine
  Statistics magazine and website by the Royal Statistical Society and ASA
- @DrSteveFoti
  Me

Common Abbreviations

Since a tweet is limited to 140 characters, abbreviations are used to replace commonly used phrases. This is a list of frequently used abbreviations, but you will likely encounter many more. Use your favorite search engine if you need help decoding one.

- **RT**: retweet
- **MT**: modified tweet
- **FWIW**: for what it’s worth
- **BTW**: by the way
- **IMO**: in my opinion

RELEVANT HASHTAGS

#statistics
#statistician
#StatEd
#StatisticsEducation
#Statliteracy
#biostatistics
#BiostatEd
#data
#dataliteracy
#JSM2018
#DataScience
#rsstats
#NoticeWonder

ABOUT THE AUTHOR

Steven Foti is a clinical assistant professor in the department of biostatistics and the director of the online MS program at the University of Florida. He earned his PhD in statistics education and his MS in statistics from the University of Florida, while earning his BS in applied mathematics and statistics and physics from Clarkson University. He teaches biostatistics courses to both undergraduate and graduate students in public health and medicine. Follow Foti on Twitter @DrSteveFoti.
The Women in Statistics and Data Science conference has become one of the ASA’s most popular and positive conferences. Last year’s WSDS welcomed more than 450 attendees, sponsors, and exhibitors. This fall’s conference should be on your list of must-attend events. Women in Statistics and Data Science will take place this October in Cincinnati, Ohio. When we convene, we will gather professionals and students from academia, industry, and the government who are working in statistics and data science. WSDS offers unique opportunities to grow your influence, your community, and your knowledge, but—more importantly—to interact with other leading women in the field.

With a wide range of content—including engaging plenaries, poster sessions, short courses, and concurrent sessions about managing family-work balance, cutting-edge advances, and growing in your career—each attendee...
will find enriching material to help them at any stage.

Leaders from academia, industry, and government will come together to present a world-class experience for attendees, from student and postgraduates to seasoned professionals. Aarti Shaah of Eli Lilly, Claudia Perllich of Distillery/NYU, and Alicia Carriquiry from Iowa State will give plenary talks. The technical content will again be top notch, but what sets this conference apart is the hands-on, warm, and engaging environment that proves particularly conducive to learning and growing in both professional and personal ways.

What do attendees say about WSDS? They call the meeting welcoming, inspiring, empowering, motivating, eye opening, and awesome!

Mark October 18–20 on your calendar and learn more by visiting www.amstat.org/wsds.

MORE ONLINE
Workshop Features Talk on Seasonal Adjustment in Identifying, Forecasting Economic Activity

The second Seasonal Adjustment Practitioners Workshop was held April 26 in the Janet Norwood Conference and Training Center at the Bureau of Labor Statistics. This one-day workshop emphasized practical problem-solving in seasonal adjustment and related time series methods. More than 65 people attended.

Many of the workshop attendees mentioned they were grateful for the topical forum and emerging network of experts in the area. The workshop was jointly sponsored by the Government Statistics Section (GSS), Business and Economic Statistics Section (B&E), and Washington Statistical Society (WSS). This shared sponsorship directly supports the ASA Strategic Plan theme to “ensure the future of our profession” via “organizational leadership development.”

The program featured opening remarks by Brian Monsell, representing the workshop organizers. Jenny Thompson (GSS and WSS) and John Abowd (B&E) made a few additional welcoming remarks, emphasizing the ASAs support in general and the sections’ support in particular.

Ataman Ozyildirim of The Conference Board gave the keynote address. His presentation, “To Adjust or Not to Adjust: A User’s Perspective on Analysis of Economic Trends with Seasonal Data,” covered the benefits and limitations of seasonal adjustment in identifying and forecasting economic activity.

Brent Moulton, recently retired from the Bureau of Economic Analysis, followed as discussant, highlighting issues such as residual seasonality—a concern that fosters continuing research.

The workshop then broke out into concurrent sessions. The speakers for the 18 presentations came from four countries and represented the private sector and the realm of official statistics, including three US government agencies.

Papers and presentations from the workshop will be available through the GSS.

Planning is underway for a third workshop in late 2019. To be involved in planning and organizing, contact the team at esmd.seasonal.workshop@census.gov.

Two Selected for Natrella Scholarship

The Quality and Productivity Section will award Mary G. and Joseph Natrella scholarships to Anh Bui, a PhD candidate in industrial engineering and management sciences at Northwestern University, and Xiaowei Yue, a PhD candidate in the department of industrial and systems engineering at the Georgia Institute of Technology, during the 2018 Joint Research Conference on Statistics in Quality, Industry, and Technology, which will be held June 11–14 in Santa Fe, New Mexico.

Both Bui and Yue will give a research presentation at the conference and receive a $3,500 scholarship, plus $500 for travel expenses and complimentary registration for the conference and pre-conference short course.

Bui was recommended for the award by Daniel W. Apley of Northwestern University and Chi-Hyuck Jun of Pohang University of Science and Technology in Pohang, South Korea. His presentation at the conference is titled, “Monitoring Stochastic Textured Surfaces.”

Yue was recommended for the award by Jianjun Shi and Chuck Zhang of Georgia Institute of Technology. The title of his presentation is “Engineering-Driven Data Analytics for Quality Improvement.”

The winners were chosen for their outstanding teaching, community service, mentoring, leadership, scholarship, and commitment to the pursuit of quality improvement through the use of statistical methods.

Bui Yue

Will Guthrie, Natrella Scholarship Selection Committee Chair

Papers and presentations from the workshop will be available through the GSS.

Planning is underway for a third workshop in late 2019. To be involved in planning and organizing, contact the team at esmd.seasonal.workshop@census.gov.

Two Selected for Natrella Scholarship

Will Guthrie, Natrella Scholarship Selection Committee Chair

The Quality and Productivity Section will award Mary G. and Joseph Natrella scholarships to Anh Bui, a PhD candidate in industrial engineering and management sciences at Northwestern University, and Xiaowei Yue, a PhD candidate in the department of industrial and systems engineering at the Georgia Institute of Technology, during the 2018 Joint Research Conference on Statistics in Quality, Industry, and Technology, which will be held June 11–14 in Santa Fe, New Mexico.

Both Bui and Yue will give a research presentation at the conference and receive a $3,500 scholarship, plus $500 for travel expenses and complimentary registration for the conference and pre-conference short course.

Bui was recommended for the award by Daniel W. Apley of Northwestern University and Chi-Hyuck Jun of Pohang University of Science and Technology in Pohang, South Korea. His presentation at the conference is titled, “Monitoring Stochastic Textured Surfaces.”

Yue was recommended for the award by Jianjun Shi and Chuck Zhang of Georgia Institute of Technology. The title of his presentation is “Engineering-Driven Data Analytics for Quality Improvement.”

The winners were chosen for their outstanding teaching, community service, mentoring, leadership, scholarship, and commitment to the pursuit of quality improvement through the use of statistical methods.

Bui Yue

Will Guthrie, Natrella Scholarship Selection Committee Chair

The Quality and Productivity Section will award Mary G. and Joseph Natrella scholarships to Anh Bui, a PhD candidate in industrial engineering and management sciences at Northwestern University, and Xiaowei Yue, a PhD candidate in the department of industrial and systems engineering at the Georgia Institute of Technology, during the 2018 Joint Research Conference on Statistics in Quality, Industry, and Technology, which will be held June 11–14 in Santa Fe, New Mexico.

Both Bui and Yue will give a research presentation at the conference and receive a $3,500 scholarship, plus $500 for travel expenses and complimentary registration for the conference and pre-conference short course.

Bui was recommended for the award by Daniel W. Apley of Northwestern University and Chi-Hyuck Jun of Pohang University of Science and Technology in Pohang, South Korea. His presentation at the conference is titled, “Monitoring Stochastic Textured Surfaces.”

Yue was recommended for the award by Jianjun Shi and Chuck Zhang of Georgia Institute of Technology. The title of his presentation is “Engineering-Driven Data Analytics for Quality Improvement.”

The winners were chosen for their outstanding teaching, community service, mentoring, leadership, scholarship, and commitment to the pursuit of quality improvement through the use of statistical methods.

Bui Yue

Will Guthrie, Natrella Scholarship Selection Committee Chair

The Quality and Productivity Section will award Mary G. and Joseph Natrella scholarships to Anh Bui, a PhD candidate in industrial engineering and management sciences at Northwestern University, and Xiaowei Yue, a PhD candidate in the department of industrial and systems engineering at the Georgia Institute of Technology, during the 2018 Joint Research Conference on Statistics in Quality, Industry, and Technology, which will be held June 11–14 in Santa Fe, New Mexico.

Both Bui and Yue will give a research presentation at the conference and receive a $3,500 scholarship, plus $500 for travel expenses and complimentary registration for the conference and pre-conference short course.

Bui was recommended for the award by Daniel W. Apley of Northwestern University and Chi-Hyuck Jun of Pohang University of Science and Technology in Pohang, South Korea. His presentation at the conference is titled, “Monitoring Stochastic Textured Surfaces.”

Yue was recommended for the award by Jianjun Shi and Chuck Zhang of Georgia Institute of Technology. The title of his presentation is “Engineering-Driven Data Analytics for Quality Improvement.”

The winners were chosen for their outstanding teaching, community service, mentoring, leadership, scholarship, and commitment to the pursuit of quality improvement through the use of statistical methods.

Bui Yue

Will Guthrie, Natrella Scholarship Selection Committee Chair
Statistics Association Presidents Establish Elizabeth L. Scott, F.N. David Lectureships

Amanda L. Golbeck

The Committee of Presidents of Statistical Societies (COPSS) announced in April the establishment of two lectureships named after women: The Elizabeth L. Scott Lecture and the F.N. David Lecture. The lectures will be given in alternate years at the annual Joint Statistical Meetings beginning in 2019.

This will be the first time JSM, which has been held annually since 1840, will have lectures named after women. JSM is the largest gathering of statisticians in North American and one of the largest in the world. Each year, there are more than 6,000 participants from more than 50 countries.

The Elizabeth L. Scott Lecture and F.N. David Lecture will be included in the COPSS portfolio, which already includes the Fisher Lecture. According to Nick Horton, chair of COPSS, “One of the main tasks for COPSS involves granting awards that highlight the work of notable statisticians. I’m proud that starting in 2019, at least one of the lectures at the JSM will be named after a woman. This is long overdue.”

The Caucus for Women in Statistics (CWS) spearheaded the effort to establish the lectureships. Horton reported the COPSS Executive Committee voted unanimously to approve the CWS proposal. CWS partnered with the ASA LGBT Concerns Committee, ASA Committee on Women in Statistics, Statistical Society of Canada Committee on Women, International Statistical Institute Committee on Women, and International Biometric Society ENAR/WNAR.

The idea that too few women receive national recognitions for their research and scholarship is not new. The National Science Foundation in 2010 established an AWARDS project “to investigate and improve the process of granting awards and prizes for scholarly achievement” in disciplines like statistics. This project led to many association reforms.

Establishing a new named lecture slot at JSM for the Scott and David lectures is another significant step forward in advancing the statistics profession. It adds a face to the profession’s ongoing and growing commitment to diversity and inclusion. 2018 CWS President Shili Lin remarked, “I’m so excited and grateful that the long overdue recognitions for women in statistics in the form of two named lectures are finally here, and here to stay!”

The first lecture will be the F.N. David Lecture. It will be given at JSM 2019 in Denver, Colorado, from July 27 to August 1. ASA Committee on Women in Statistics Chair Kimberly Sellers said, “Already looking forward to JSM 2019!”

For more information about the lectureships, contact Lin at shili@stat.osu.edu.
Ann Arbor, Detroit Chapters Judge 2018 Michigan Science and Engineering Fair

Karry Roberts, Detroit Chapter Secretary

Promoting statistical analysis in high-school science projects, members of the Detroit and Ann Arbor Chapters enjoyed being professional awards judges at the Michigan Science and Engineering Fair (MSEF). This was the chapters’ second year at the state level, extending a tradition the two chapters have maintained for many years at the regional level.

The team of seven judges for the statistical special awards included Anamaria Kazanis, District 3 Vice Chair; Karry Roberts, David Corliss, Xianggui (Harvey) Qu, and Rob Kushler from the Detroit Chapter; and Mary Ann Ritter and Nicholas Moloci from the Ann Arbor Chapter.

The MSEF displays the best high-school-level posters from the regional science fairs throughout the state. The fair was held at Kettering University in Flint, Michigan, on Saturday, April 7. Winners in various science categories at this fair go on to the Intel International Science and Engineering Fair (ISEF) in Pittsburgh.

This year, the MSEF had a total of 50 posters. At each poster, the student was present, giving judges the opportunity to interview him or her and learn about their scientific approach. Initially, the judges worked in review teams, but, later, all seven reviewed the best posters to determine the higher awards.

At the end of the event, the judges kicked off the awards ceremony by calling all certificate and award winners onto the stage, where they encouraged the students to take statistical courses to ensure proper statistical analysis of their data for all college majors.

**Award Winners**

**One $200 Award of Excellence**

- “The Effects of Commercial Pesticides Upon Vanessa cardui” by Mallory Snyder from Saginaw Arts and Sciences Academy

**Five $50 Awards of Merit**

- “The Effects of Boron Compounds on Amyloid-beta 42 Plaque Aggregation” by Zaid Haque, Saginaw Arts and Sciences Academy
• “Genome-Wide Analysis of Histone Modifications in *Saccharomyces cerevisiae*” by Rohit Mital from Indus Center for Academic Excellence

• “Effectiveness of Homemade Activated Carbon Water Filter in Removing Pollutants” by Neha Narayan, an independent high-school student

• “Econometric Model of USGDP Through Artificial Neural Networks” by Shivan Prasad from Detroit Country Day Upper School

• “Quantifying the Effects of Novel Mutations in Putative T2D Regulatory Loci” by Collin Wang from Detroit Country Day Upper School

*Nine Recognition Certificates*

The following students received recognition certificates:

- Sai Anantapantula
- Melissa Beyrand
- Maria Fields
- Jared Freeman
- Samuel Maher
- Bhuvna Murthy
- Vihaar Nandigala
- Salena Prakah-Asante
- Akash Rathod

One of these students was Samuel Maher, who received a recognition certificate and will be attending the ISEF as a MSEF Grand Award recipient.

Students at all award levels received certificates and a copy of *Significance* magazine. The Detroit Chapter obtained reimbursement from the ASA Chapter Stimulus Funds for their contribution to this activity, which covered much of the award expenses. The Ann Arbor Chapter also contributed to the awards.

Eight of the ASA Professional Awards winners were recognized with MSEF category awards.
Q&P Initiates Mentoring Program

The Q&P Section is pleased to introduce a mentoring program for its members. The goal of this initiative is to help members enrich and enhance their professional experience through achieving personal and professional goals. The program’s specific goals are to connect those wanting mentoring with those wanting to mentor and to facilitate those interactions.

Sharing knowledge, expertise, and experience can be mutually rewarding. A constructive mentorship relationship can take many forms and may occur at any career stage. Benefits for mentors and mentees include building connections and networks, passing on knowledge, and bridging the gaps among generations. It also matures the statistics profession, identifies emerging talents, and enhances professional relationships.

The program committee will facilitate face-to-face meetings between matched mentors and mentees at JSM 2018, but attendance is not necessary. Other interactions may take place either in person or via electronic means, depending on the mentor and mentee’s preferences.

If you are interested in participating in the mentoring program, complete one of the forms below by June 30. The program committee will make every effort to find a suitable match for all applicants and notify applicants of the outcome by July 15.

Do you want to be a mentee? Go to https://goo.gl/forms/OsvvCR3jgNxsRP7yb1.

Otherwise, send an email to Reid Landes at rdlandes@uams.edu to receive the form.

For additional information regarding the program, visit http://community.amstat.org/qpm/home or contact Daksha Chokshi at daksha.chokshi@rocket.com or Landes. ■

Statistics in Epidemiology

The Section on Statistics in Epidemiology (SIE) grants annual Young Investigator awards to new researchers for the best papers in statistics in epidemiology presented at JSM. Among the Young Investigator Award winners, the Breslow Award further recognizes the top paper.

The section presents the 2018 Young Investigator awards to the following individuals:

- Maria Cuellar, Statistics, Carnegie Mellon University (Breslow Award Winner)
- Parichoy Pal Choudhury, Biostatistics, The Johns Hopkins University
- Kwonsang Lee, Biostatistics, Harvard University
- Maya Mathur, Biostatistics, Harvard University
- Ran Tao, Biostatistics, Vanderbilt University
- Kai Yang, Biostatistics, University of Florida

An awards ceremony will be held at this year’s JSM in Vancouver on Tuesday, July 31, at 6:30 p.m. in recognition of the awardees. The ceremony will be followed by a joint mixer with the Mental Health Statistics Section. Visit the JSM online program at http://bit.ly/JSMProgram2018 for an up-to-date location. ■

Survey Research Methods

The Proceedings of the Survey Research Methods Section (SRMS) from the 2017 Joint Statistical Meetings in Baltimore is now available at http://bit.ly/JSM17Proceedings. It also includes the 2017 Proceedings of the American Association for Public Opinion Research. What is new to this year’s edition is that if a speaker has submitted the corresponding presentation to the ASA, the presentation can also be accessible at this proceedings website. We hope you find this helpful if you missed the presentations at JSM 2017. If you discover any error or missing paper, please contact the SRMS publication officer, Tony An, at tony.an@sas.com.

2018 Joint Statistical Meetings Update

Get ready for Vancouver! SRMS has put together a rich and exciting program. This year, SRMS sponsors one half-day short course, 11 invited sessions (including co-sponsored), one invited panel, 12 topic-contributed sessions, 10 contributed sessions, one poster session, three speed sessions, and two roundtable luncheon discussions.

In memory of the prominent survey statistician Alastair Scott, an invited session will be held on Thursday, August 2.

Everyone is encouraged to attend our annual SRMS business meeting at 6 p.m. on Wednesday, August 1. Several awards will be given at the meeting, including the joint SRMS/GSS/SSS student paper awards, whose papers are presented in a session on Monday, July 30.

Here is a preview of the SRMS lineup at JSM 2018.

- Half-day course (added fee event) on Tuesday, July 31: Applications of Hot Deck Imputation Methods to Survey Data, led by Rebecca Andridge of The Ohio State University
State University College of Public Health and Katherine Thompson of the US Census Bureau. This course will provide an introduction to the use of hot deck imputation with survey data. Attendees will be exposed to both the theoretical and practical sides to hot deck imputation and examples will be illustrated using both SAS and R.

The invited papers and panel sessions sponsored or co-sponsored by SRMS include the following:

- **Statistical Analysis of Linked Data**, Sunday, July 29
- **Improving Survey Data Quality with Machine Learning Techniques**, Tuesday, July 31
- **Inference with Clustered Data: Lessons from Multiple Disciplines**, Wednesday, August 1
- **In Memoriam: Alastair Scott**, Thursday, August 2
- **Administrative Records for Survey Methodology and Evidence Building**, Monday, July 30
- **Transparency, Reproducibility, and Replicability in Work with Social and Economic Data**, Sunday, July 29
- **Ethical Implication of the Failure of Anonymization**, Monday, July 30
- **Seeing the World as a Missing Data Problem: Celebrating 40 Years of Multiple Imputation**, Monday, July 30
- **The Potential for Web-Scraping in the Production of Official Statistics: An Opportunity for Statistics to Lead?**, Wednesday, August 1
- **Using Surveys to Improve the Representativeness of Nonprobability Samples in Epidemiologic Studies**, Wednesday, August 1
- **Prospects for Combining Survey and Administrative Data for Income Measurement**, Thursday, August 2
- **Current Federal Research on Improving Measurement of LGBT Populations**, Thursday, August 2

A great way to obtain a large amount of information about new research in a short period is to attend the speed sessions. A speed session assigns four minutes for oral presentation to each presenter. Then, presentations are displayed as electronic posters at a later time so attendees can learn more. The three SRMS contributed speed sessions this year are the following:

- **Missing Survey Data: Analysis, Imputation, Design and Prevention**
- **Innovations in Survey Sampling Designs: Administrative Data, Record Linkage, Non-Probability Samples, and More**
- **Applications of Advanced Statistical Techniques in Complex Survey Data Analysis: Small Area Estimation, Propensity Scores, Multilevel Models, and More**

Two roundtable luncheon discussions (added fee events) sponsored by SRMS are the following:

- **Adaptive Design: Challenges in Practice**, led by Michael Yang of NORC. He will share his experience implementing adaptive designs, explore practical adaptive design options, and discuss future research directions.
- **Non-Probability Sampling**, led by Karol Krotki of RTI International. He will discuss real-world examples of non-probability sampling and touch on the future role of this methodology in survey research.

The topic-contributed sessions sponsored by SRMS are the following:

- **Survey Design and Data Adjustment Decisions in Mixed-Mode Surveys**, Monday, July 30
- **Best Student Papers Awarded by the ASA Consortium of GSS/SSS/SRMS**, Monday, July 30
- **Small Area Estimation with Small Samples**, Tuesday, July 31
- **Official Statistics and Small Area Estimation**, Tuesday, July 31
- **Probabilistic Record Linkage: Better Assumptions, Scalable Inference, and Accounting for Uncertainty**, Wednesday, August 1
- **Measuring Household Wealth in Europe: The Household Finance and Consumption Survey**, Wednesday, August 1
- **Statistical Explorations for the Post-Enumeration Survey of the US 2020 Census**, Wednesday, August 1
- **Using Para-Data to Analyze the Determinants and Impact of Interview Length**, Thursday, August 2
- **Statistical Challenges in Combining Survey and Administrative Data**, Thursday, August 2

The contributed sessions sponsored by SRMS are the following:

- **Advances in Sampling Techniques and Tools**, Sunday, July 29
- **Nonresponse Adjustment and Weighting**, Monday, July 30
- **Replicate Weights and Variance Estimation**, Monday, July 30
- **Statistical Models in Survey Sampling and Analysis**, Tuesday, July 31
- **Issues in Survey Design and Estimation**, Tuesday, July 31
- **Survey Modes and Measurement Error**, Wednesday, August 1
- **Advances in Small Area Estimation**, Wednesday, August 1
North Carolina Chapter Hosts Recycled Poster Session

The North Carolina Chapter hosted a recycled poster session and social in late March. This social offered local statisticians a chance to practice an upcoming poster presentation or re-use an old poster while providing an informal setting for members to exchange ideas and learn about each other’s work. More than a dozen posters were presented to an audience of nearly 50 over dinner and drinks at a local brewery. More information and pictures can be found on the NC ASA Chapter blog at http://bit.ly/ASANCChapter.

Physical and Engineering Sciences

Yili Hong, SPES JSM 2018 Program Chair

SPES has a slate of four invited and three topic-contributed sessions lined up for the upcoming JSM in Vancouver. SPES is also co-sponsoring multiple invited and topic-contributed sessions.

Invited Sessions

- **The Use of Auxiliary Data in Frame Development, Coverage Assessment, and Field Data Collection**, Thursday, August 2
- **Practical Aspects of Survey Design and Analysis**, Thursday, August 2
- **Imputation and Analysis of Missing Survey Data**, Thursday, August 2
  
  For the complete JSM program, including up-to-date times and locations for all sessions, visit http://bit.ly/JSMProgram2018.

- **Lead with Statistics in Uncertainty Quantification**, organized by Lulu Kang from Illinois Institute of Technology, with speakers Jeff Wu, David Steinberg, and David Woods
- **A Life Cycle View of Statistics**, organized by David Steinberg from Tel Aviv University, with panelists Laura Freeman, Ron Kenett, John Peterson, and Agus Sudjianto
- **Statistical Methods for Remote Sensing Data**, organized by Jonathan Hobbs from Jet Propulsion Laboratory, with speakers Amy Braverman, Matthias Katzfluss, and Andrew Finley
- **Experimental Design Thinking for Big Data**, organized by Xinwei Deng from Virginia Tech and Devon Lin from Queen’s University, with speakers Min Yang, John Stufken, and Peter Chien

Topic-Contributed Sessions

- **New Approaches to Modeling and Inference for Complex Space-Time Data**, organized by Ta-Hsin Li from IBM T. J. Watson Research Center
- **Advancement in Statistical Methods for Reliability Data**, organized by Lu Lu from the University of South Florida
- **Statistical Aspects in Stochastic and Deterministic Simulation**, organized by Wei Xie from Rensselaer Polytechnic Institute and Qiong Zhang from Virginia Commonwealth University

Co-Sponsored Invited and Topic-Contributed Sessions

- **Statistical Process Monitoring of High-Volume Data Streams**, with Quality and Productivity
- **New-Generation Experimental Design and Causal Inference in High-Tech Companies**, with Quality and Productivity
- **Field to Fork: Leading with Statistics in the Food Industry**, with Quality and Productivity
- **Novel Theory and Methods in Big Data Analytics**, with Statistical Learning and Data Science
- **Statistical Computing on Parallel Architectures**, with Statistical Computing

Continuing Education Course

- **Topics in Design of Computer Experiments: Recent Advances in Latin Hypercube and Uniform Designs**, led by Dennis Lin of Pennsylvania State University (there is an added fee for this course)
California
- The Johnson and Johnson Medical Device (MD) Sector Clinical Research and Development Center of Excellence (CR&D COE) is recruiting for a principal biostatistician, to be located in Irvine, CA. Job Link: jobs.amstat.org/jobs/10876465/principal-biostatistician EOE.

Illinois
- The Research Data Analyst Lead (Biostatistician) leads research data management and analysis team involved in querying, extracting, managing and analyzing multiple, complex data sets ensuring data integrity, quality, and timeliness of results. This position oversees the deployment of reporting and analytical solutions. For more information, visit https://careers.northwestern.edu. Keyword: 33174. EOE.

Louisiana
- Department Head/Chair of Experimental Statistics (Tenured). College of Agriculture - Department of Experimental Statistics, Louisiana State University. Louisiana State University A&M and LSU Agricultural Center, Baton Rouge, LA, seek candidates for department head of the department of experimental statistics (EXST). Applicants should have a PhD in statistics. Ad URL: http://bit.ly/LSUstats EOE.

Nebraska
- The Department of Biostatistics, College of Public Health at the University of Nebraska Medical Center, seeks outstanding faculty candidates for an assistant or associate professor. Preferred areas of emphasis include: big data, statistical analysis of high dimensional data, or statistical methodology for clinical trials or observational studies. For full description, qualifications, and to apply, visit unmc.peopleadmin.com/postings/37857. EOE.

Pennsylvania
- The Wharton Department of Statistics at the University of Pennsylvania seeks to hire full-time or part-time lecturers for the 2018–2019 academic year. Excellence in teaching is the primary criteria for the position. Applicants must have outstanding communication skills, along with a degree from an accredited institution; a PhD is preferred. Any questions may be sent to stat.lecturer.hire@wharton.upenn.edu. URL: statistics.wharton.upenn.edu/recruiting/lecturerpositions EOE.

---

Professional Opportunity listings may not exceed 65 words, plus equal opportunity information. The deadline for their receipt is the 20th of the month two months prior to when the ad is to be published (e.g., May 20 for the July issue). Ads will be published in the next available issue following receipt.

Listings are shown alphabetically by state, followed by international listings. Vacancy listings may include the institutional name and address or be identified by number, as desired.

Professional Opportunities vacancies also will be published on the ASA’s website (www.amstat.org). Vacancy listings will appear on the website for the entire calendar month. Ads may not be placed for publication in the magazine only; all ads will be published both electronically and in print.

Rates: $320 for nonprofit organizations (with proof of nonprofit status), $475 for all others. Member discounts are not given. For display and online advertising rates, go to www.amstat.org/ads.

Listings will be invoiced following publication. All payments should be made to the American Statistical Association. All material should be sent to Amstat News, 732 North Washington Street, Alexandria, VA 22314-1943; fax (703) 684-2036; email advertise@amstat.org.

Employers are expected to acknowledge all responses resulting from publication of their ads. Personnel advertising is accepted with the understanding that the advertiser does not discriminate among applicants on the basis of race, sex, religion, age, color, national origin, handicap, or sexual orientation.

Also, look for job ads on the ASA website at www.amstat.org/jobweb.

---

**Senior Transplant Biostatistician**

**Baylor University Medical Center at Dallas**

**Annette C. and Harold C Simmons Transplant Institute**

**Learn more or apply online:** search “biostatistician” at Jobs.BSWHealth.com, contact James.Smyda@BSWHealth.org or call 972.291.4573.

©2018 Baylor Scott & White Health. BSWHR_44_2018 GD
Rhode Island

The University of Rhode Island, Department of Computer Science and Statistics in the College of Arts and Sciences invites applications for a tenure-track assistant professor in statistics to begin in August 2018. Qualifications include a PhD in statistics or biostatistics with research interests in data science and Bayesian inference. Details are available at http://www.memphis.edu/msci/news/positions.php. Application should be completed at https://workforum.memphis.edu/postings/. Email eogeorge@memphis.edu for further questions. EOE.

Tennessee

The Department of Mathematical Sciences at the University of Memphis is recruiting for a tenure-track assistant professor in statistics to begin in August 2018. Qualifications include a PhD in statistics or biostatistics with research interests in data science and Bayesian inference. Details are available at http://www.memphis.edu/msci/news/positions.php. Application should be completed at https://workforum.memphis.edu/postings/. Email eogeorge@memphis.edu for further questions. EOE.

Virginia

Environmental Statistician, Assistant or Associate Professor. The Virginia Institute of Marine Science (VIMS)/School of Marine Science invites applications for an assistant or associate professor. Visit jobs.wm.edu/postings/31016 EOE.

The Department of Biostatistics

The Department of Biostatistics in the Gillings School of Global Public Health and the School of Nursing (SON) at the University of North Carolina at Chapel Hill are seeking a non-tenure Research- or Clinical-track faculty member with strong interest and commitment to engage in collaborative research in nursing, teach and conduct independent methodological research at a level commensurate with the non-tenure Research- or Clinical track. This 12-month full-time position is open at the Assistant or Associate Professor rank with primary appointment in Biostatistics and secondary appointment in Nursing. Though applicants with experience in all areas of biostatistics are encouraged to apply, the Department and SON recognize a general need for expertise in the following areas:

- bioinformatics
- "omics"
- big data
- survey sampling
- structural equations modeling

The highly ranked Biostatistics Department is in one of the top schools of public health in the country. The SON is nationally recognized as one of the premiere nursing schools in the country, with a tri-fold mission of excellence in nursing education, research and practice. Applicants should hold a PhD in biostatistics or statistics or commensurate degree, and possess excellent communication skills. The review of applications will start in July 2018. This position will remain open until filled.

To apply, use the electronic submission website at http://unc.peopleadmin.com/postings/137617 and upload PDF versions of your CV, cover letter, and research and teaching statements. Candidates must also arrange for three letters of recommendation to be emailed to vera_bennett@unc.edu addressed to:

Faculty Search Committee c/o Vera Bennett
Department of Biostatistics
CB #7420, McGavran-Greenberg Hall
University of North Carolina at Chapel Hill
Chapel Hill, NC 27599-7420

The University of North Carolina at Chapel Hill is an equal opportunity and affirmative action employer. All qualified applicants will receive consideration for employment without regard to age, color, disability, gender, gender expression, gender identity, genetic information, national origin, race, religion, sex, sexual orientation, or status as a protected veteran.

Statistical Career Opportunities with Westat

Westat is an employee-owned corporation headquartered in Rockville, Maryland. We provide statistical consulting and survey research to the agencies of the U.S. Government and to a broad range of business and institutional clients. With a strong technical and managerial staff and a long record of quality research, Westat is a leader in the statistical services field.

We are currently recruiting for the following position:

Survey Sampling Statistician

This position requires a master’s degree or Ph.D. in statistics with coursework in survey sampling or a master’s or Ph.D. in survey sampling. Candidates with a master’s must have at least 8 years of experience in sample survey design, selection, or weighting and a Ph.D. with 6 years’ experience. Although not required to do programming, candidates would benefit from knowing SAS and other statistical software packages. Qualified candidates must have excellent written and oral communication skills, strong organizational skills, and the ability to handle multiple tasks simultaneously.

Westat is an Equal Opportunity Employer and does not discriminate on the basis of race, creed, color, religion, sex, age, national origin, veteran status, disability, marital status, sexual orientation, citizen status, genetic information, gender identity, or any other protected status under applicable law. To apply, go to www.westat.com/careers.

www.westat.com
Come to Your Census

Join the U.S. Census Bureau to help produce quality data that enable Americans to better understand our country—its population, resources, economy, and society.

Your Work as a Mathematical Statistician at the Census Bureau

- Design sample surveys and analyze the data collected.
- Design and analyze experiments to improve survey questionnaires and interview procedures.
- Improve statistical methods for modeling and adjustment of seasonal time series.
- Perform research on statistical methodology that will improve the quality and value of the data collected.
- Publish research papers and technical documentation of your work.

Requirements

- U.S. citizenship
- Bachelor’s, Master’s, or Ph.D with at least 24 semester hours in math and statistics (see Web site for more specifics on required coursework)

Apply at www.census.gov, click on Census Careers, Type of Position, Professional/Scientific/Technical, Math Statistician

The U.S. Census Bureau is an Equal Opportunity Employer.

---

AMSTAT News

ADVERTISING DIRECTORY

Listed below are our display advertisements only. If you are looking for job-placement ads, please see the professional opportunities section. For more job listings or more information about advertising, please visit www.amstat.org.

professional opportunities

- Baylor University Medical Center ...............p. 45
- RTI International....................................p. 47
- The University of North Carolina................p. 46
- US Census Bureau................................p. 47
- Westat....................................................p. 46

software

- JMP software from SAS..............cover 4
- SAS Institute........................................cover 3

RTI International invites applications for its Senior Survey Statistician position. In this role, you will work in a variety of fields, in the domains of public and global health, education and workforce, social science research, sample surveys, and the environment. You will have the opportunity to utilize your skills in survey sampling, experimental design, and complex data analysis. We take our mission “to improve the human condition” seriously and seek staff who resonate with it.

Qualifications: PhD in Statistics, Biostatistics, or Mathematics with at least 10 years of nonacademic related experience and 5 years of experience with survey statistics. See www.rti.org/careers (search “survey statistician”) for the complete position description and application information.

We are proud to be an EEO/AA employer M/F/D/V.
We asked our followers to tell us which famous statistician they would like to interview.

Frank Harrell • @f2harrell
@d_spiegel, @stephensenn, Doug Altman, Jim Berger, Don Berry would be five statisticians I’d like to interview for a start.

Maarten van Smeden • @MaartenvSmeden
Great list. Additionally: Donald Rubin, Bradley Efron, Jerome Friedman, @NateSilver538

Thomas Speidel • @ThomasSpeidel
Doug Altman, Sander Greenland, David Spiegelhalter, Rob Tibshirani, Trevor Hastie, Bill Cleveland, Andrew Gelman, and Frank Harrell who’s too modest to mention his own name 😏

Anna Gottard • @annie_corXY
David Cox!

Geoff Shaw • @StatGeoff
I would interview Box or Tukey. Both had interesting lives and would be fun to talk to.

Kim Flagg Sellers • @KimFlaggSellers
David Blackwell, were he still living.

Wajdi Ben Saad • @wajdi.bs
Karl PEARSON, Thomas BAYES, Carl F. GAUSS...

Kel Zou • @kel_zou
One of the wittiest, Dean Xiao-Li Meng!
#statistician #statistical #Statistics #statistics #Stats

German M Altgelt
Does Pascal count?

Mazharul Islam
The lady with the lamp [Florence Nightingale]

Lee D. Witt
Erich Lehmann

Kartik Waghmare
Ronald Fisher

Next Month:
We’ll ask our followers — What would you tell your 13-year-old self about statistics?
Statistics

The latest release of SAS/STAT® is now available. SAS/STAT 14.3 enriches numerous analyses and adds one more procedure to your toolkit.

**SAS/STAT 14.3 Highlights**

Causal mediation analysis.

Compartmental models for pharmacokinetic analysis.

Fast quantile process regression.

Cause-specific proportional hazards analysis for competing-risks data.

Variance estimation by the bootstrap method for survey data analysis.

**Recent SAS/STAT Additions**

Generalized additive models by penalized likelihood estimation.

Two-stage fully efficient fractional imputation and fractional hot-deck methods for survey data.

Estimation of causal treatment effects.

Weighted GEE methods for longitudinal data analysis.

Time-dependent ROC curves for Cox regression.

Learn more

support.sas.com/statnewreleases
Great software in the right hands can change the world.

At W.L. Gore, innovative experiments elevate the R&D process. Waterproof materials made from foolproof science.

Read about W.L. Gore’s success, and find out how JMP can help you change your world:

www.great.jmp