

Michael H. Kutner

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Employment Address: Department of Biostatistics and Bioinformatics
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Birthplace: Hartford, Connecticut, U.S. Citizen

EDUCATION

- Ph.D. 1971 Texas A & M University, College Station, Texas, in statistics. Doctoral research in the area of variance component estimation.
- M.S. 1962 Virginia Polytechnic Institute and State University, Blacksburg, Virginia, in statistics.
- B.S. 1960 Central Connecticut State College, New Britain, Connecticut, in mathematics.

PROFESSIONAL EMPLOYMENT

- 2009 - Present Rollins Professor, Department of Biostatistics and Bioinformatics, Emory University, Rollins School of Public Health, Atlanta, Georgia.
- 2004 - 2009 Rollins Professor and Chair, Department of Biostatistics and Bioinformatics, Emory University, Rollins School of Public Health, Atlanta, Georgia.
- 2002 - 2003 Interim Chair, Department of Biostatistics, Emory University, Rollins School of Public Health, Atlanta, Georgia.
- 2001 - Present Director, Biostatistics Consulting Center, Department of Biostatistics, Emory University, Rollins School of Public Health, Atlanta, Georgia.
- 2000 - 2003 Research Professor, Department of Biostatistics, Emory University, Rollins School of Public Health, Atlanta, Georgia.
- 1994 - 1999 Chairman, Department of Biostatistics and Epidemiology, The Cleveland Clinic Foundation, Cleveland, Ohio.
- 1991 - 1993 Professor, Division of Biostatistics and Associate Dean for Academic Affairs, School of Public Health, Emory University, Atlanta, Georgia.
- 1990 - 1991 Director, Division of Biostatistics and Associate Dean for Academic Affairs, School of Public Health, Emory University, Atlanta, Georgia.
- 1988 - 1990 Professor and Director, Division of Biostatistics, Department of Epidemiology and Biostatistics, Emory University, Atlanta, Georgia.
- 1986 - 1988 Professor and Acting Chairman, Department of Statistics and Biometry, Emory University, Atlanta, Georgia.

- 1981 - 1985 Professor of Statistics and Biometry, Emory University, Atlanta, Georgia.
- 1975 - 1980 Associate Professor of Statistics and Biometry, Emory University, Atlanta, Georgia.
- 1971 - 1975 Assistant Professor of Statistics and Biometry, Emory University, Atlanta, Georgia.
- 1970 - 1971 Assistant Professor Statistics, Institute of Statistics, Texas A & M University; teaching graduate statistics and research connected with dissertation.
- 1962 - 1967 Assistant Professor of Mathematics, College of William & Mary, Williamsburg, Virginia; teaching senior-graduate statistics and numerical analysis, differential equations, calculus.
- 1964 - 1965 Dow-Badische Chemical Company, Williamsburg, Virginia; consulting and teaching experimental design and analysis.
- 1963 - 1967 NASA, Langley Air Force Base, Newport News, Virginia; part-time teaching and consulting.

PROFESSIONAL AWARDS/HONORS

- 2014 Inducted into Emory University Millipub Club
- 2012 Cited as one of Texas A&M's most distinguished alumni in book entitled, Strength in Numbers: The Rising of Academic Statistics Departments in the U.S., Springer, Edited by Alan Agresti & Xiao-Li Meng, 2012
- October 2012 Mike Kutner Junior Faculty Poster Session named in my honor, Southern Regional Council on Statistics, Summer Research Conference
- August 2011 Recipient of the Wilfred J. Dixon Award for Excellence in Statistical Consulting, American Statistical Association
- March 2011 Recipient of the Charles R. Hatcher, Jr., M.D., Award for Excellence in Public Health, Woodruff Health Sciences Center
- November 2010 Invited delegate of the People to People "Statistical Science Delegation" that visited China under the leadership of the President and Executive Director of the American Statistical Association. Visited Beijing (Renmin University and National Bureau of Statistics), Xi'an (Xi'an University of Finance and Economics and Northwest University) and Shanghai (East China Normal University and Fudan University). The purpose of the trip was to explore possible faculty and student exchange programs between our two countries. The Biostatistics Department has recruited doctoral students from both Renmin and Fudan University.
- November 2009 Inducted as member of ASPH/Pfizer Public Health Academy of Distinguished Teachers
- 2009 Recipient of Mu Sigma Rho National Statistical Honor Society Statistical Education Award for lifetime devotion to the discipline of teaching statistics
- May 2008 Recipient of the Thomas F. Sellers, Jr. Award for exemplifying the ideals of public health and serving as a role model and mentor to his colleagues
- 2008-current Appointed to External Advisory Committee by the Department of Statistics, Texas A & M University

PROFESSIONAL AWARDS/HONORS (continued)

- 2008 - 2009 Inducted as President of the Southern Regional Council on Statistics (SRCOS)
- 2008 - Appointed Member of the Clinical Research Advisory Committee of the Shriner's Hospitals
- August 2006 Recipient of Georgia Chapter, ASA, distinguished service award
- October 2006 Elected President-Elect, SRCOS (2007-2008)
- March 2004 Named Endowed Rollins Professor and Chair of Biostatistics
- September 2002 Recipient of the 2002 Southern Region Council on Statistics (SRCOS) Paul Minton Award for distinguished service to the statistical profession
- September 1999 Elected member of International Statistical Institute
- June 1997 Excellence in Research Award co-authorship on "Reducing Frailty and Falls in Older Persons: An Investigation of Tai Chi and Computerized Balance Training." Journal of American Geriatric Society, 44:489-497, 1996. Selected as the best paper of the decade.
- May 1997 Inducted into inaugural class of the "Academy of Distinguished Graduates," College of Science, Texas A & M University
- Aug 6, 1996 Recipient of the Founders Award, American Statistical Association.
- Dec 2, 1995 Certificate of Appreciation in recognition of dedicated service to the American Statistical Association as member of the Board of Directors, 1993-1995.
- Aug 14, 1995 Best Invited Paper, Section on Teaching of Statistics in the Health Sciences, 1995 Joint Statistical Meetings, Orlando, Florida. (with Ralph O'Brien.)
- Jul 10 -12 1995 NSF funded participant Academe/Industry Collaboration Project, Cal Poly, San Luis Obispo, California.
- 1990-1991 Inaugural President, NIH/GCRC Statisticians Group
- September 1991 Recipient of Chapter Service Recognition Award, Atlanta Chapter, American Statistical Association.
- August 1984 Elected Fellow of the American Statistical Association.
- 1984 Recipient of H. O. Hartley Award, Texas A & M University
- Summer 1973 NSF funded participant Regional Conference on Multivariate Statistical Analysis, Tuscaloosa, Alabama.
- 1969 – 1970 NIH Trainee Fellowship, Texas A & M University
- 1969 Graduate Research and Teaching Assistant, Texas A & M University.
- 1967 – 1968 NSF Faculty Fellowship.

1962 Elected Pi Mu Epsilon (Honorary Math Society).

1960 – 1962 Teaching Assistantship, Virginia Polytechnic Institute and State University.

EMORY PHILANTHROPIC GIFTS

- ◆ Donated 1994 Atlanta Olympic Street banner to the Dobbs University Center
- ◆ Established the Michael H. Kutner Alumnus Award given annually to recognize a former department graduate student for Distinguished Service to the Field
- ◆ Established the Michael H. Kutner Outstanding Graduate Student Award given annually to a doctoral student in the Department of Biostatistics and Bioinformatics
- ◆ Donated to the Department of Biostatistics and Bioinformatics paintings, artwork and potted plants for the entire 3rd floor and a portion of the 2nd floor
- ◆ Donated all of the wine for the Department's 50th Anniversary Celebration on October 17, 2014
- ◆ Donated funds to support the development of an Emory Faculty Club

BOOKS

Michael H. Kutner, Christopher J. Nachtsheim and John Neter, Applied Linear Regression Models, 4th edition, McGraw-Hill/Richard D. Irwin, Inc., Chicago, Illinois, 2004. (under revision)

Michael H. Kutner, Christopher J. Nachtsheim, John Neter and William Li, Applied Linear Statistical Models, 5th edition, McGraw-Hill/ Richard D. Irwin, Inc., Chicago, Illinois, 2005. (under revision)

Christopher J. Nachtsheim and Michael H. Kutner, Introduction to Business Statistics, (under preparation)

BOOK CHAPTERS, PROCEEDINGS AND TECHNICAL REPORTS

Book Chapters:

Nixon DW, Moffitt SD, Olkowski Z, Ansley J, Kutner MH, Lawson DH, Heymsfield SB, Lynn MJ and Rudman D. "Parenteral, Nutritional Supplementation in Cancer."

Recent Advances in Clinical Nutrition, Volume 1. Howard, Alan and Baird, Ian McLean (eds). John Libbey and Company, Ltd, London, 1981.

Nixon DW, Lawson DH, Kutner MH, Moffitt SD, Ansley J, Heymsfield SB, Lynn MJ, Wesley M, Yancey R and Rudman D. "Effect of Total Parenteral Nutrition on Survival in Advanced Colon Cancer." Cancer Detection and Prevention. HE Nieburgs (ed). Marcel Dekker, Inc, New York, 1982.

Waring GO III, Refractive Keratotomy for Myopia and Astigmatism, Mosby Year Book 1992; Chapter 13: Lynn MJ, Waring GO III and Kutner MH, "Predictability of Refractive Keratotomy," pp. 341-380. Chapter 22: Nizam A, Lynn MJ, Kutner MH and Waring GO III, "Bilateral Results of Radial Keratotomy," pp. 849-862. Chapter 24: Waring GO III, Lynn MJ and Kutner MH, "Stability of Refraction after Refractive Keratotomy," pp. 937-968.

Peck R, Haugh LD and Goodman A. Statistical Case Studies: A Collaboration Between Academe and Industry. Society for Industrial and Applied Mathematics, 1998; Chapter 16: Kutner MH, Easley KA, Jones SC and Bryce GR, "Cerebral Blood Flow Cycling: Anesthesia and Arterial Blood Pressure," pp. 203-216.

Proceedings:

Kutner MH, Brown AC and Miller K. "A Critique: Hair Sulfur Analysis for Evaluation of Normal and Abnormal Hair." Proceedings of First Human Hair Symposium, 1974.

Tan M, Xiong X and Kutner MH. "Sequential Conditional Probability Ratio Test, Reverse Stochastic Curtailing and Stochastic Curtailing." ASA Biopharmaceutical Section Proceedings, 1996.

Technical Reports:

Kutner MH. "Maximum Likelihood Analysis of Balanced Incomplete Block Models." Technical Report #7, NASA (July 1971).

DISSERTATIONS DIRECTED

- 1981 Raymond P. Bain, "Comparison of the Multivariate Analysis of Variance and the Univariate Analysis of Variance for the Group by Time Repeated Measures Design."
- 1979 Gamil H. Absood, "Distributions of Functions of Gaussian Random Variables with Applications to Structural Regression Models."
- 1977 Jesse Meneses, "On Univariate and Multivariate Statistical Analyses of Repeated Measures and Applications to a Maintenance Study of Heroin Addicts."
- 1976 Robert Mosteller, "Regional Discriminant Analysis: Assessment of Breast Cancer Risk."
- 1974 Brent Blumenstein, "Maximum Likelihood Estimation of Linear Path Regression Models."
- 1972 Edward L. Frome, "Nonlinear Regression and Spectral Estimation in Biomedical Data Analysis."
- 1972 Guy C. Davis, Jr., "The Use of Mathematical Models in the Analysis of Indicator-Dilution Curves."

MASTERS THESIS DIRECTED

- 1975 Russell Roegner, "Some Statistical Considerations of Venereal Disease Morbidity."

COURSES TAUGHT AT EMORY

• Linear Models (Graybill); Design and Analysis of Experiments (Winer); Multivariate Methods (Morrison); Introduction to Theoretical Statistics I & II (Mood, Graybill & Boes); Introduction to Probability (Parzen); Analysis of Variance and Regression (Neter, Wasserman & Kutner); Statistical Methods (Snedecor and Cochran); Biostatistics for Medical Students (Colton); Logistic Regression and Survival Analysis (Collett); Experimental Design and Analysis for the Biological Sciences (Altman); Introduction to Biostatistics (Freedman, et al); Biostatistical Consulting (Derr); Clinical Trials (Friedman, Furberg & DeMets).

• 2011: Developed & taught BIOS 560R: Basic Fundamentals for Conducting a Clinical Trial, 12 students; Course Evaluation: 4.3/5 for Course: 4.4/5 for the Instructor

COMMITTEE MEMBERSHIPS/ACTIVITIES

2013 Served as Co-Master of Ceremonies, Dinner Banquet, 50th Anniversary Celebration, Texas A & M Department of Statistics, May 17th.

2012 Appointed as Co-Chair for Planning, 50th Anniversary Celebration, Texas A & M, Department of Statistics

2011 Member, Selection Committee for Mu Sigma Rho Excellence in Teaching Award

Emory University

2014- Chair, Planning Committee for the Development of a Faculty Facility

2013 - 2014 Chair Planning Committee in the department to celebrate the 50th anniversary conference Oct 17-18, 2014.

2011 Chair, Search Committee, WCI Biostatistics Shared Resource

2011- 2015 Member and Chair, Emory Faculty Life Course Committee

2009 Charter Committee Member, Center for Health in Aging

2006 - 2009 Executive Committee, Computational & Life Sciences Initiative

2006 – 2009 Chair, Brogan Lecture Committee

2006 – 2009 Director, Biostatistics, Epidemiology and Research Design Program, ACTSI

2006 – 2009 Member, ACTSI Executive Committee

2006 – 2007 Chair, Search Committee, EOH Chair

2004 – 2009 Member, WHSC Research Advisory Committee

2004 Organized, planned and raised funds for the dinner celebration of the retirement for Dr. Donna Brogan, October 22, 2004.

2004 Organized, planned and raised funds for the 40th Anniversary celebration of the Department of Biostatistics, October 22, 2004. Luncheon speakers: President Jim Wagner, Dean Jim Curran and Dr. Fadlo Khuri.

2004 Established the Donna J. Brogan Lecture series in the Department of Biostatistics.

2003 – 2005 Chair, Search Committee, Department of Biostatistics Faculty Search

2002 – 2009 Member, Chairs Council, Rollins School of Public Health

2002 – 2004 Chair, Strategic Planning Committee for Biostatistics Consulting Center Initiative

2002 – 2008 Clinical Trials Office Advisory Committee

2000 – 2006 Center for Health in Aging Advisory Board

2000 – 2001 Search Committee, Associate Faculty Recruitment

1992 – 1993 Chair, Curriculum Committee for MPH Program

1992 – 1993 Chair, Appointment, Promotions and Tenure Committee, SPH

1991 – 1993 University Accreditation Committee, SPH Representative

1990 – 1993 Member, Steering Committee, Lovastatin Restenosis Trial

1989 – 1992 Member, Academic Computing Advisory Committee

1991 – 1993 Chairman, Woodruff Fellowship Committee, School of Public Health

1990 – 1993 Member, Executive Committee, SPH

1990 – 1992 Chairman, Admissions Committee, Division of Biostatistics

1990 – 1992 Member, Council of Division Directors, SPH

1974 – 1993 Ex-officio Member, Advisory Committee, Clinical Research Center

1974 – 1993 Chief Biostatistician, Emory General Clinical Research Center (GCRC)

1989 – 1990 NIH/GCRC Statisticians Group Development Team Member

1986 – 1990 Chairman, Medical School Workstations Committee

1983 – 1986 Member, Ad hoc Promotions Committee

1980 – 1981 Member, Task Force: Curriculum Study and Revision

1976 - 1979/
1981 – 1986 Elected Member Executive Committee of Graduate School

1972 – 1976 Member Medical School Study Group

1971 – 1983 Doctoral Written Exam Committee, Chair

The Cleveland Clinic Foundation

Department of Biostatistics and Epidemiology

1994 – 1999 Management Advisory Committee, Chair

1994 – 1999 Space Committee, Chair

1994 – 1999 Member, Operations Group

1994 – 1995 Strategic Planning Task Force, Chair

1994 – 1999 Search Committee, Chair

1994 – 1995 Member, Committee to Review Chargeback System of Department

Research Institute

1994 – 1996 Member, Research Division Committee

1994 – 1996 Case Western Reserve University/Cleveland Clinic Foundation Working Group Member

PUBLISHED PAPERS

1. Frome EL, Kutner MH and Beuchamp JJ. “Regression Analysis of Poisson Distributed Data.” Journal of the American Statistical Association, 68:935-940, 1973.
2. Kutner MH. “Hypothesis Testing in Linear Models (Eisenhart Model 1).” The American Statistician, 28(3):98-100, 1974.
3. Kutner MH. “Hypothesis Tests in Linear Models.” The American Statistician, 29(3):133-134, 1975.
4. Hocking RR and Kutner MH. “Some Analytical and Numerical Comparisons of Estimators for the Mixed A.O.V. Model.” Biometrics, 3(1):19-27, 1975.
5. Michael RP, Bonsall RW and Kutner MH. “Volatile Fatty Acids, ‘Copolins,’ in Human Vaginal Secretions.” Psychoneuroendocrinology, 1:153-163, 1975.
6. Gerron GG, Ansley JD, Isaacs JE, Kutner, MH and Rudman D. “Technical Pitfalls in Measurement of Venous Plasma NH₃ Concentration.” Clinical Chemistry, 22:663-666, 1976.
7. Davis G and Kutner MH. “The Lagged Normal Family of Probability Density Functions Applied to Indicator-Dilution Curves.” Biometrics, 32(3):669-675, 1976.
8. Rudman D, Fleischer AS and Kutner MH. “Concentration of 3', 5' Cyclic Adenosine Monophosphate in Ventricular Cerebrospinal Fluid of Patients with Prolonged Coma After Head Trauma or Intracranial Hemorrhage.” New England Journal of Medicine, 295(12):635- 638, 1976.
9. Wolf SL, Nahai F, Brown DM, Jordan N and Kutner MH. “Objective Determinations of Sensibility in the Upper Extremity. I: Median Nerve Sensory Conductive Velocities; II: Application of Cutaneous Stimuli in Control Subjects; III: Application of Cutaneous Stimuli in Patients with Peripheral Nerve Lesions.” Physical Therapy. 57:1121-1137, 1977.
10. Sung YF, Kutner MH, Cerine FC and Frederickson EL. “Comparisons of the Effects of Acupuncture and Codeine on Postoperative Dental Pain.” Anesthesia and Analgesia, 56:473-478, 1977.
11. Rudman D, Fleischer AS, Kutner MH and Raggio JF. “Suprahypophyseal Hypogonadism and Hypothyroidism During Prolonged Coma After Head Trauma.” Journal of Clinical Endocrinology and Metabolism, 45:747-754, 1977.
12. Kaplan JA, Cannerella C, Jones EL, Kutner MH, Hatcher CR and Dunbar RW. “Autologous Blood Transfusion During Cardiac Surgery.” The Journal of Thoracic and Cardiovascular Surgery, 74:4-10, 1977.
13. Rudman D, Kutner MH, Fleming GA, Harris RC, Kennedy EE, Bethel RA and Priest JH. “Effect of 10 Day Courses of Human Growth Hormone on Height of Short Children.” Journal of Clinical Endocrinology and Metabolism, 46:28-35, 1978.
14. Ansley JD, Isaacs JW, Ridders LF, Kutner MH, Nordinger BM and Rudman D. “Quantitative Tests of Nitrogen Metabolism in Cirrhosis: Relation to Other Manifestations of Liver Disease.” Gastroenterology, 75(4):570-579, 1978.

15. Rudman D, Davis GT, Priest JH, Patterson JH, Kutner MH, Heymsfield SB and Bethel RA. "Prevalence of Growth Hormone Deficiency in Children with Cleft Lip or Palate." Journal of Pediatrics, 93(3):378-382, 1978.
16. Rudman D and Kutner MH. "Melanotropic Peptides Increase Permeability of Plasma/Cerebrospinal Fluid Barrier." American Journal of Physiology, 234(3):327-332, 1978.
17. Wolf SL, Gersh MR and Kutner MH. "Relationship of Selected Clinical Variables to Current Delivered During Transcutaneous Electrical Nerve Stimulation." Physical Therapy, 58(12):1478-1485, 1978.
18. Ridders LF, Rudman D, Galambos JT, Millikan WJ, Kutner MH, Smith RB, Salam AA, Sones PJ and Warren D. "A Randomized, Controlled Trial of the Distal Splenorenal Shunt." Annals of Surgery, 188(3):271-282, 1978.
19. Kutner NG and Kutner MH. "Race and Sex as Variables Affecting Reaction to Disability." Archives of Physical Medicine and Rehabilitation, 60:62-66, 1979.
20. Rudman D, Kutner MH, Blackston RD, Jansen RD and Patterson JH. "Normal Variant Short Stature: Subclassification Based on Responses to Exogenous Human Growth Hormone." Journal of Clinical Endocrinology and Metabolism, 49:92-99, 1979.
21. Nixon DW, Murphy GF, Sewell GW, Kutner MH and Lynn MH. "Relationship Between Survival and Histologic Type in Small Cell Anaplastic Carcinoma of the Lung." Cancer, 44:1045-1049, 1979.
22. Heymsfield SB, Fulenwider JT, Nordlinger BM, Barlow R, Sones PJ and Kutner MH. "Accurate Measurement of Liver, Kidney, and Spleen Volume and Mass by Computerized Axial Tomography." Annals of Internal Medicine, 90:185-187, 1979.
23. Rudman D, Kutner MH, Goldsmith MA and Blackston RD. "Predicting the Response of Growth Hormone-Deficient Children to Long Term Treatment with Human Growth Hormone." Journal of Clinical Endocrinology and Metabolism 48:472-477, 1979.
24. Faraj BA, Fulenwider JT, Rypins EB, Nordlinger BM, Ivey GL, Jansen RD, Ali FM, Camp VM, Kutner MH, Schmidt F and Rudman D. "Tyramine Kinetics and Metabolism in Cirrhosis." Journal of Clinical Investigation, 64:413-420, 1979.
25. Heymsfield SB, Olafson RP, Kutner MH and Nixon DW. "A Radiographic Method of Quantifying Protein-Calorie Undernutrition." American Journal of Clinical Nutrition, 32:693-702, 1979.
26. Wolf SL, Basmajian J, Russe C and Kutner MH. "Normative Data on Low Back Mobility and Activity Levels: Implications for Neuromuscular Reeducation." American Journal of Physical Medicine, 58(5):217-227, 1979.
27. Rudman D, Kutner MH, Goldsmith MA, Blackston RD and Bain RP. "Serum and Urine Polyamines in Normal and Short Children." Journal of Clinical Investigation, 64:1661-1668, 1979.
28. Fine RM, Chawla RK, Kutner MH and Rudman D. "Accumulation of Urinary Cancer-Related Glycoprotein, EDC1, in Psoriasis." The Journal of Investigative Dermatology, 73: 264-265, 1979.
29. Nordlinger BM, Fulenwider JT, Ivey GL, Faraj BA, Ali FM, Kutner MH, Henderson JM and Rudman D. "Tyrosine Metabolism in Cirrhosis." Journal of Laboratory and Clinical Medicine, 94:832-840, 1979.

30. Nixon DW, Heymsfield SB, Cohen AE, Kutner MH, Ansley JD, Lawson DH and Rudman D. "Protein-Calorie Undernutrition in Hospitalized Cancer Patients." American Journal of Medicine, 60:683-690, 1980.
31. Rudman D, Kutner MH, Chawla RK and Goldsmith RA. "Abnormal Polyamine Metabolism in Hereditary Muscular Dystrophies." Journal of Clinical Investigation, 65:95-102, 1980.
32. Rudman D, Goldsmith M, Kutner M and Blackston D. "Effect of Growth Hormone and Oxandrolone Singly and Together on Growth Rate in Girls with X Chromosome Abnormalities." Journal of Pediatrics, 96(1):132-134, 1980.
33. Nordlinger BM, Nordlinger DF, Fulenwider JT, Millikan WJ, Sones PJ, Kutner MH, Steele, R, Bain R and Warren WD. "Angiography in Portal Hypertension: Clinical Significance in Surgery." The American Journal of Surgery, 139:132-141, 1980.
34. Smith III RB, Warren WD, Salam AA, Millikan WJ, Ansley JD, Kutner MH and Bain RP. "Dacron Interposition Shunts for Portal Hypertension: An Analysis of Morbidity Correlates." Annals of Surgery, 192:9-17, 1980.
35. Rudman D, Dedonis JL, Fountain MT, Chandler JB, Gerron GG, Fleming GA and Kutner MH. "Hypocitraturia in Patients with Gastrointestinal Malabsorption." New England Journal of Medicine, 303:657-661, 1980.
36. Felner JM, Blumenstein BA, Schlant RC, Carter AD, Alimurung BN, Johnson MJ, Sherman SW, Klicpera MW, Kutner MH and Drucker LW. "Sources of Variability in Echocardiographic Measurements." The American Journal of Cardiology, 45:995-1004, 1980.
37. Brogan DR and Kutner MH. "Comparative Analyses of Pretest-Posttest Research Designs." The American Statistician, 34:229-232, 1980.
38. Henderson JM, Stein SF, Kutner M, Wiles MB, Ansley JD and Rudman D. "Analysis of Twenty-three Plasma Proteins in Ascites: The Depletion of Fibrinogen and Plasminogen." Annals of Surgery, 192:739-742, 1980.
39. Rudman D, Kutner MH, Goldsmith MA, Kenny J, Jennings H and Bain RP. "Further Observations on Four Subgroups of Normal Variant Short Stature." Journal of Clinical Endocrinology and Metabolism, 51:1378-1384, 1980.
40. Goldsmith MA, Bhatia SS, Kanto WP, Kutner MH and Rudman D. "Calcium Gluconate and Neonatal Hypercalciuria." American Journal of Diseases of Children, 135:538-543, 1981.
41. Bhatia SJS, Moffitt SD, Goldsmith MA, Bain RP, Kutner MH and Rudman D. "A Method of Screening for Growth Hormone Deficiency Using Anthropometrics." American Journal of Clinical Nutrition, 34:281-288, 1981.
42. Rypins EB, Fajman W, Sarper R, Henderson MJ, Kutner MH, Tarcan YA, Galambos JT and Warren WD. "Radionuclide Angiography of the Liver and Spleen: A Noninvasive Method for Assessing Portal Venous/Total Hepatic Blood Flow Ratio and Portasystemic Shunt Patency." American Journal of Surgery, 574-579, 1981.
43. Nixon DW, Lawson D, Kutner M, Ansley J, Schwarz M, Heymsfield S, Chawla R, Cartwright TH and Rudman D. "Hyperalimentation of the Cancer Patient with Protein- Caloric Undernutrition." Cancer Research, 41:2038-2045, 1981.
44. Nixon DW, Lawson DH, Kutner MH, Moffitt SD, Ansley J, Heymsfield SB, Lynn MJ,

- Wesley M, Yancey R and Rudman D. "Effect of Total Parenteral Nutrition on Survival in Advanced Colon Cancer." Cancer Detection and Prevention, 4:421-427, 1981.
45. Nixon DW, Moffitt S, Lawson DH, Ansley J, Lynn MJ, Kutner MH, Heymsfield SB, Wesley M, Chawla R and Rudman D. "Total Parenteral Nutrition as an Adjunct to Chemotherapy of Metastatic Colorectal Cancer." Cancer Treatment Reports, 65:121-128, 1981.
 46. Rudman D, Kutner MH, Rogers CM, Lubin MF, Fleming GA and Bain RP. "Impaired Growth Hormone Secretion in the Adult Population: Relation to Age and Adiposity." Journal of Clinical Investigation, 67:1361-1369, 1981.
 47. Henderson JM, Heymsfield SB, Horowitz J and Kutner MH. "Liver and Spleen Volume Measured by Computerized Axial Tomography: Assessment of Reproducibility and the Changes Found following a Selective Distal Splenorenal Shunt." Radiology, 14:525-527, 1981.
 48. Rudman D, Kutner MH, Blackston RD, Cushman RA, Bain RP and Henderson JA. "Children with Normal Variant Short Stature: Treatment with Human Growth Hormone for Six Months." New England Journal of Medicine, 305:123-131, 1981.
 49. Lawson DH, Nixon DW, Kutner MH, Heymsfield SB, Rudman D, Moffitt SD, Ansley J and Chawla RK. "Enteral vs. Parenteral Nutrition Support in Cancer Patients." Cancer Treatment Reports, 65:101-106, 1981.
 50. Rypins EB, Henderson JM, Fajman W, Sarper R, Kutner M and Warren WD. "Portal Venous-Total Hepatic Flow Ratio by Radionuclide Angiography." Journal of Surgical Research, 31:463-468, 1981.
 51. Rudman D, Kutner M, Ansley J, Jansen R, Chipponi J and Bain RP. "Hypotyrosinemia, Hypocystinemia, and Failure to Retain Nitrogen During Total Parenteral Nutrition of Cirrhotic Patients." Gastroenterology, 89:1025-1035, 1981.
 52. Rudman D, Kutner MH, Redd SC, Waters WC, Geron GG and Bleier J. "Hypocitraturia in Calcium Nephrolithiasis." Journal of Clinical Endocrinology and Metabolism, 55:1052 - 1057, 1982.
 53. Gonnella C, Paris SV and Kutner MH. "Reliability in Evaluating Passive Intervertebral Motion." Physical Therapy, 62:436-444, 1982.
 54. Fitzgerald T, McGowan D, Kutner MH and Wenger NK. "Demographic Determinants of Success in the Vocational Rehabilitation of Cardiac Patients." Journal of Rehabilitation, 33 - 38, 1982.
 55. Warren WD, Millikan WJ, Henderson JM, Wright L, Kutner MH, Smith RR, Fulenwider JJ, Salam AA and Galambos JR. "Ten Years Portal Hypertensive Surgery at Emory." Annals of Surgery, 195:530-542, 1982.
 56. Henderson JM, Kutner MH and Bain RP. "First-order Clearance of Plasma Galactose: The Effect of Liver Disease." Gastroenterology, 83:1090-1096, 1982.
 57. Henderson JM, Millikan WJ, Wright L, Kutner MH and Warren WD. "Quantitative Estimation of Metabolic and Hemodynamic Hepatic Function: The Effects of Shunt Surgery." Surgical Gastroenterology, 1:77-85, 1982.
 58. Millikan Jr WJ, Henderson JM, Warren WD, Riepe SP, Kutner MH, Wright-Bacon L, Epstein C and Parks RB. "Total Parenteral Nutrition with F080 in Cirrhotics with Subclinical Encephalopathy." Annals of Surgery, 197:48-58, 1983.

59. Jennings RH, Galloway JR, Brooke MN, Kutner MH, Rudman D, Vogel RL, Wardlaw CF and Gerron GG. "Effects of Allopurinol in Duchene's Muscular Dystrophy." Archives of Neurology, 40:294 - 299, 1983.
60. Millikan Jr WJ, Henderson JM, Warren WD, Riepe SP, Davis RC, Hersh T, Wright-Bacon L, Long M and Kutner MH. "Maintenance of Nutritional Competence After Gastric Partitioning for Morbid Obesity." The American Journal of Surgery, 146:619-625, 1983.
61. Faraj BA, Camp VM, Caplan DB, Ahmann PA and Kutner MH. "Abnormal Regulation of Pyridoxal 5'-Phosphate in Reye's Syndrome." Clinical Chemistry, 29:1832-1833, 1983.
62. Henderson JM, Millikan Jr WJ, Wright-Bacon L, Kutner MH and Warren WD. "Hemodynamic Differences Between Alcoholic and Nonalcoholic Cirrhotics Following Distal Splenorenal Shunt – Effect on Survival?" Annals of Surgery, 198:325-334, 1983.
63. Rudman D, Berry CJ, Riedeberg CH, Hollins BM, Kutner MH, Lynn MJ and Chawla RK. "Effects of Opioid Peptides and Opiate Alkaloids on Insulin Secretion in the Rabbit." Endocrinology, 112:1702-1710, 1983.
64. Rudman D, Hollins BM, Kutner MH, Moffitt SD and Lynn MJ. "Three Types of a-Melanocyte-Stimulating Hormone: Bioactivities and Half-Lives." American Journal of Physiology, 245(Endocrinology Metabolism 8):E47- E54, 1983.
65. Faraj BA, Gottlieb GR, Camp VM, Kutner MH and Lolie P. "Development of a Sensitive Radioassay of Histamine for In Vitro Allergy Testing." Journal of Nuclear Medicine, 25:56 -63, 1984.
66. Faraj BA, Caplan DB, Newman SL, Ahmann PA, Camp VM and Kutner MH. "Hypercatecholaminemia in Reye's Syndrome." Pediatrics, 73:482-488, 1984.
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CITATIONS AND ACKNOWLEDGMENTS

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- ◆ Kutner NG, Brogan D, Fielding B and Hall WD. “Older Renal Dialysis Patients and Quality of Life.” Dialysis and Transplantation, 20(4):171-175, 1991.

LETTERS TO EDITOR

1. Kutner MH. “Improving Refereeing Policies.” The American Statistician, 29(2):110, 1975.
2. Brown AC, Olkowski ZL, McLaren JR and Kutner MH. “Alopecia Areata and Vitiligo Associated with Down's Syndrome.” Archives of Dermatology, 113:1296, 1977.
3. Rudman D, Kutner MH, Blackston RD and Patterson JH. “Normal Variant Short Stature.” New England Journal of Medicine, 305(19):1153-1154, November, 1981.
4. Ingram C, Frederickson E and Kutner MH. “Inappropriateness of Statistical Methods Used in Evaluating Postanesthetic Hepatic Injury.” Anesthesia and Analgesia, 61(8):728, August, 1982.
5. Henderson JM and Kutner MH. “Galactose Clearance as a Measure of Hepatic Blood Flow.” Gastroenterology, 85:986-988, September, 1983.
6. Henderson JM and Kutner MH. “An Analysis of Survival and Treatment Failure Following Abdominoperineal and Sphincter-saving Resection in Dukes' B and C Rectal Carcinoma: A Report

of the NSABP Clinical Trials.” Annals of Surgery, 206(4):224-226, August, 1987.

7. Henderson JM, Kutner MH and Warren WD. “Do Surgeons Led by Surgeons Operate Better Than Internist-led Surgeons?” Gastroenterology, 93(3):666-667, September, 1987.
8. Elective Treatment of Variceal Hemorrhage: A Randomized Controlled Trial.” Hepatology, 8(2):441-442, 1987.
9. Henderson JM, Kutner MH and Noe B. “Galactose Clearance and Liver Blood Flow.” Gastroenterology, 95(4):1157-1158, 1988.
10. Kutner MH, Rao JS. “Prediction of Hospital Mortality Rates.” Annals of Internal Medicine, 127(9):846-847, 1997.

PRESENTATIONS, SEMINARS AND SHORT COURSES

- | | |
|--------------------|---|
| August 2015 | Invited panelist at the ASA Joint Statistical Meeting in Seattle, to discuss how to be an effective collaborating statistician |
| October 30, 2014 | Invited seminar speaker at the University of North Carolina, Wilmington, NC on the analysis of fixed effects models with missing data in some cells |
| April 30, 2014 | Invited panelist to discuss teaching of introductory statistics courses to non-statistics majors at Georgia ASA Chapter meeting |
| June 2, 2014 | Invited speaker at the 50 th Anniversary at the SRCOS SRC in Galveston, TX, June 1-4, 2014 meeting to discuss the role that SRCOS has played in developing academic programs in statistics/biostatistics in the South. |
| August 2, 2014 | Invited speaker at the ASA Joint Statistical Meetings in Boston, MA, August 2 - 7, 2014 to discuss the growth of statistics academic programs in the South and its association with ASA. |
| June 6, 2011 | Keynote Dinner Speaker, Southern Regional Council on Statistics Summer Research Conference: “Recollections and Reflections.” |
| October, 2010-2015 | Invited lecturer BIOS 745 Consulting class topic statistical ethics |
| June 5, 2011 | Organizer and Panel Discussant, Southern Regional Council on Statistics Summer Research Conference, “Teaching Introductory Statistics/Biostatistics Courses for Non-Majors.” |
| July 2010-2015 | Two 2-hour lectures each year to Summer Institute for Training in Biostatistics (SIBS) program attendees on research projects/designs |
| August 5, 2009 | Invited Panel Discussant, JSM 2009, Mu Sigma Rho Session. |
| August 3, 2009 | Invited panel session JSM, Title: “Directing a Biostatistics Core in Biomedical Research.” |
| April 2-3, 2009 | Keynote Speaker, “Innovations in Design, Analysis, and Dissemination: Frontiers in Biostatistical Methods.” Cerner-Kansas University Medical College – ASA Biostatistics Symposium, Kansas City, KS. |

January 16-17, 2009	Short Course: Design and Analysis of Clinical Studies, Shriner's Hospitals, Clearwater Beach, FL
June 20, 2007	"How to Design a Research Study", Summer Interns, Division of Geriatrics, Atlanta, GA
April 24, 2007	"Analysis of Fixed Effects ANOVA Models with Missing Cells", Medical College of GA, Augusta, GA
April 20, 2007	"Analysis of Fixed Effects ANOVA Models with Missing Cells", The Hocking Lecture, Texas A&M
June 20, 2006	"How to Design a Research Study", Summer Interns, Division of Geriatrics, Atlanta, GA
April 21, 2006	"Analysis of Fixed Effects ANOVA Models with Missing Cells", Department of Mathematical Sciences, Bowling Green University, Bowling Green, OH
November 30, 2005	"Past, Present and Future of Biostatistics", Georgia Chapter, ASA, Atlanta, GA
October 20, 2005	"Statistical Collaboration and Consulting Within the Health Sciences", Division of Pulmonary Medicine, Emory University, Atlanta, GA
October 6, 2005	"Intense Tai Chi Exercise Training and Fall Occurrences in Older, Transitionally Frail Adults: Trial Designs and Outcomes" University of Texas Southwestern Medical School, Dallas, TX
August 29, 2004	Invited Speaker: "Outliers and Their Effects on the Scientific Literature", Winship Cancer Institute, Atlanta, GA
August 11, 2004	Invited Speaker: "Statistical Consulting within the Medical Sciences", Joint Statistical Meeting, Toronto, Canada
June 16, 2004 & July 1, 2003	"Reading the Medical Literature", AFAR Summer Research Students, Center for Health in Aging", Wesley Woods Health Center, Atlanta, GA
November 19, 2002	"Biostatistical Considerations in Rehabilitation Research", Rehabilitation Residents and Fellows, Rehabilitation Medicine Department, Emory University
October 30, 2002	"Biostatistical Collaboration: the Good, the Bad and the Ugly", Center for Research on Symptoms, Symptom Interactions, and Health Outcomes, Emory University Nell Hodgson Woodruff School of Nursing
October 16, 2002	"A Unified Regression Approach for Fixed Effects ANOVA Models with Missing Cells", Department of Biostatistics, Emory University
September 17, 2002	"Biostatistical Support", Clinical Trials Office Symposium
April 2, 2002	Invited Speaker: "Outliers", Southeastern Family Medicine and Primary Care Research Conference, Savannah, Georgia (Mercer School of Medicine).
December 12, 2001	Invited Seminar: "Outliers and Their Effects." VA Rehab R & D, Atlanta, Georgia.

May 11, 2001 Invited Workshop Speaker: "Interpretation of Diagnostic Tests." Southeastern Family Medicine and Primary Care Research Conference, Savannah, Georgia.

March 28, 2001 Invited Seminar: "Observational versus Experimental Studies: That is the Question." VA Rehab R & D, Atlanta, Georgia.

August 12-13, 2000 Invited 2 Day Short Course: "Logistic Regression Analysis." Joint Statistical Meeting, Indianapolis, Indiana (with C. Nachtsheim)

March 8, 2000 Invited Seminar: "Design and Statistical Aspects of the African American Study of Kidney Disease and Hypertension." VA Rehab R & D, Atlanta, Georgia.

November 3, 1999 ½ Day Workshop: "Logistic Regression Modeling." Cleveland Chapter, American Statistical Association.

July 13, 1999 Invited Seminar: "Design and Statistical Analysis of the African American Study of Kidney Disease and Hypertension." Department of Biostatistics, University of Michigan.

May 19, 1999 Invited Seminar: "Hypothesis Testing for Fixed Effects ANOVA Models with Missing Cells." Department of Biostatistics, University of Pennsylvania.

March 3, 1999 Invited Speaker: "A Unified Regression Approach to Analyzing Fixed Effects ANOVA Models with Missing Cells." Cleveland Chapter, American Statistical Association.

December 14, 1998 Contributed Paper: "A Unified Regression Approach to Analyzing Fixed Effects ANOVA Models with Missing Cells." International Biometrics Conference, Cape Town, South Africa.

October 29, 1998 Invited Speaker: "Linear Regression and Correlation." Concepts and Methods in Biostatistics, CME Course, The Cleveland Clinic

October 21, 1998 Hosted Quantitative Literacy Program. Presented "Overview of the Department of Biostatistics and Epidemiology."

August 27, 1998 Contributed Paper: "A Unified Regression Approach to Analyzing Fixed Effects ANOVA Models with Missing Cells." International Society for Clinical Biostatistics Conference, Dundee, Scotland.

July 24, 1998 Invited Seminar: "The Design and Statistical Aspects of the African American Study of Kidney Disease and Hypertension." University of Alabama Birmingham, Birmingham, Alabama.

April 29, 1998 Invited Speaker: "Academic Institution Issues in Industry-Sponsored Clinical Trials." Drug Information Association, New Orleans, Louisiana.

April 20, 1998 Invited Seminar: "A Unified Approach to Analyzing Fixed Effects ANOVA Models." University of North Carolina, Chapel Hill, North Carolina.

March 27, 1998 Invited Seminar: "The Design and Statistical Aspects of the African American Study of Kidney Disease and Hypertension." Medical University of South Carolina, Charleston, South Carolina.

- March 18-20, 1998 Short Course: “Regression Modeling for Epidemiologic Research.” Centers for Disease Control and Prevention, Atlanta, Georgia (with Ray Greenberg).
- December 3, 1997 Hosted Quantitative Literacy Program. Presented : “An Overview of Biostatistics at the Cleveland Clinic Foundation”, Cleveland Clinic, Cleveland, Ohio
- November 1, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. San Antonio Chapter, ASA, San Antonio, Texas.
- October 31, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. Central Arkansas Chapter, ASA, Little Rock, Arkansas.
- October 29, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. South Florida Chapter, ASA, West Palm Beach, Florida.
- July 28, 1997 Poster Session: “Design and Statistical Aspects of the African American Study of Kidney Diseases and Hypertension.” Kutner M, Agadoa L, Gassman J, Glassock R, Greene T, Olutade B, Randall O. Twelfth International Conference on Hypertension in Blacks, London, England.
- June 21, 1997 Invited Speaker: “Linear Regression and Correlation: Concepts and Methods in Biostatistics Course. Cleveland Clinic Foundation.
- June 10, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. Oregon Chapter, ASA, Portland, Oregon.
- June 9, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. Sacramento Chapter, ASA, Sacramento, California.
- June 6, 1997 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course. Albuquerque Chapter, ASA, Albuquerque, New Mexico.
- June 5, 1997 Invited Speaker: “A Unified Approach to Analyzing Data From Fixed Effects ANOVA Models.” Department of Statistics, Los Alamos National Laboratory.
- March 19-21, 1997 Short Course: “Regression Modeling for Epidemiologic Research.” Centers for Disease Control and Prevention, Atlanta, Georgia (with Ray Greenberg).
- November 7, 1996 Invited Speaker: “A Unified Approach to Analyzing Data From Fixed Effects ANOVA Models.” Department of Statistics, University of Florida, Gainesville, Florida.
- August 7, 1996 Invited Talk: “Academe/Industry Collaboration Project.” Industry and Academic Department Heads, Joint Statistical Meeting, Chicago, Illinois.
- June 5, 1996 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course: Central Indiana Chapter, ASA and University of Indiana School of Medicine, Indianapolis, Indiana.
- June 4, 1996 Invited Speaker: “Logistic Regression Modeling.” ASA Traveling Short Course: Central Illinois Chapter, ASA and University of Southern Illinois School of Medicine, Springfield, Illinois.

- June 3, 1996 Invited Speaker: "Logistic Regression Modeling." ASA Traveling Short Course: Chicago Chapter, ASA, Chicago Illinois.
- May 24, 1996 Invited Speaker: "Logistic Regression Modeling." Auburn University and Alabama Chapter, ASA, Auburn, Alabama.
- Mar 27-29, 1996 Short Course: "Regression Modeling for Epidemiologic Research." Centers for Disease Control and Prevention, Atlanta, Georgia (with Ray Greenberg).
- February 6, 1996 Invited Speaker: "Biostatistics at The Cleveland Clinic Foundation." Department of Statistics, Brigham Young University, Provo, Utah.
- November 29, 1995 Hosted Quantitative Literacy Program. Presented talk: "An Overview of Biostatistics at The Cleveland Clinic." The Cleveland Clinic Foundation, Cleveland, Ohio.
- November 16, 1995 Invited Speaker: "Biostatistics at the Cleveland Clinic Foundation." Twelfth Annual Ohio Statistics Conference, Columbus, Ohio.
- October 17, 1995 Invited Speaker: "Linear Regression and Correlation: Concepts and Methods in Biostatistics Course." Cleveland Clinic Foundation.
- September 13, 1995 Contributed Paper Session: "Special Care Units for ADRD Residents: Multidimensional Analysis of Outcomes": (Presented by Nancy G. Kutner.) XI International Conference, Alzheimer's Disease and Related Disorders, Buenos Aires, Argentina.
- August 14, 1995 Invited Speaker: "Biostatistics Training for Established Physicians." Invited Session sponsored by the Section on Teaching of Statistics in the Health Sciences, Joint Statistical Meeting, Orlando, Florida.
- June 26-28, 1995 Short Course: "Regression Modeling for Epidemiologic Research." Centers for Disease Control and Prevention, Atlanta Georgia. (with Ray Greenberg.)
- June 5-7, 1995 Keynote Speaker: "The Use of Diagnostic Tests." First International Applied Statistics in Medicine Conference held in conjunction with the Third International Applied Statistics in Industry Conference, Dallas, Texas. Workshop Presentation: "Principles of Biostatistics in Clinical Research."
- May 5, 1995 Invited Speaker: "A Unified Approach to Analyzing Data From Fixed Effects ANOVA Models." M.D. Anderson Cancer, Houston, Texas.
- May 4, 1995 Invited Speaker: "Biostatistics at the Cleveland Clinic Foundation. Statistics Department, Texas A & M University, College Station, Texas.
- March 1-3, 1995 Short Course: "Regression Modeling for Epidemiologic Research." Centers for Disease Control and Prevention, Atlanta, Georgia. (with Ray Greenberg.)
- December 12, 1994 Hosted Quantitative Literacy Program. Presented talk: "An Overview of Biostatistics at The Cleveland Clinic." The Cleveland Clinic Foundation, Cleveland, Ohio.
- October 16, 1994 Short Course: "Issues in Regression Analysis Using Statistical Packages." Societyfor Medical Decision Making, Cleveland, Ohio.
- September 16, 1994 Invited Speaker: "Principles of Biostatistics in Clinical Research."

- Gastroenterology Staff and Fellows: Research Conference, The Cleveland Clinic Foundation, Cleveland, Ohio.
- August 16, 1994 Invited Session Discussant: "Short Courses: Challenges, Issues and Educational Value." 1994 Joint Statistical Meetings, Toronto, Ontario, Canada.
- June 12, 1994 Invited Speaker: "Interpretation of Diagnostic Tests." Intensive Review of Internal Medicine Course, The Cleveland Clinic Foundation, Cleveland, Ohio.
- June 6-7, 1994 Invited Speaker: "Comparing More Than Two Means: Analysis of Variance" and "Linear Regression and Correlation." Biostatistics in Medicine Course, The Cleveland Clinic Foundation, Cleveland, Ohio.
- June 1, 1994 Invited Speaker: "Some Interesting Regression Modeling Examples." Cleveland Chapter, American Statistical Association, Cleveland, Ohio.
- April 26, 1994 Invited Speaker: "Estimating and Testing in ANOVA Models with Some Empty Cells (Eisenhart Model I)." Ohio State University, Department of Statistics, Columbus, Ohio
- April 21, 1994 Invited Speaker: "Estimating and Testing in ANOVA Models with Some Empty Cells (Eisenhart Model I)." Cincinnati Chapter, American Statistical Association and Department of Mathematics and Statistics, Miami University, Oxford, Ohio.
- March 14-16, 1994 Short Course: "Regression Modeling for Epidemiologic Research." National Institute for Occupational Safety and Health, Cincinnati, Ohio. (with Ray Greenberg.)
- March 9-11, 1994 Short Course: "Regression Modeling for Epidemiologic Research." Centers for Disease Control and Prevention, Atlanta, Georgia. (with Ray Greenberg.)
- January 19, 1994 Presented Departmental Overview to Northeast Ohio Quantitative Literacy Program, The Cleveland Clinic Foundation, Cleveland, Ohio.
- September 12-14, 1993 Research Institute Retreat: "Outliers and Their Effects," Salt Fork State Park, Ohio.
- April 10, 1992 Seminar: "Interpretation of Survival in Clinical Trials." Pediatric Allergy Journal Club.
- November 1991 Seminar: "Common Methods of Analyzing Response Data in Clinical Trials." Pediatric Allergy Journal Club.
- August 18-23, 1991 Short Courses: "Advanced Multivariate Methods." International Course in Epidemiology and Research Methodology, Vouliagmeni Beach, Greece. (with Ray Greenberg.)
- April 1991 Journal Club Speaker. "Diagnostic Tests: An Introduction to Probability." Department of Pediatrics.
- October 5-6, 1990 Invited Speaker: "Statistical Applications in the Medical and Health Services Field." John Neter Recognition Weekend. Athens, Georgia.
- July 16-27, 1990 "EPI 732: Statistical Methods." The University of Michigan Graduate Summer Session in Epidemiology. (With Ray Greenberg.)

April 5, 1990 Invited Speaker: “ANOVA Models with Empty Cells.” Virginia Polytechnic Institute and State University.

March 1990-June 1991 Series of monthly biostatistics seminars to fellows and faculty in Division of Pediatric Hematology/Oncology.

January 8-16, 1990 Indo-U.S. Workshop: “Biostatistics and Epidemiological Methods in Ophthalmology.” New Delhi, India.

October 11, 1989 Seminar: “Outliers.” Clinical Research Center.

1989 Panel Discussant: “Statistics Programs in Georgia.” Atlanta Chapter, American Statistical Association.

July 18-23, 1988 “Cross-classified Fixed Effects ANOVA Models with Missing Cells.” XIVth International Biometric Conference. Namur, Belgium.

December 1987 “ANOVA Models in the Case of Missing Cells.” Atlanta Chapter, American Statistical Association.

January 3-5, 1987 “A Unified Approach to the Analysis of Balanced and Unbalanced Fixed Effects Data.” American Statistical Association Winter Conference.

1986 - 1992 Series of Ten Week Short Courses (2 hours/week): “Regression Modeling in Epidemiologic Research.” Centers for Disease Control.

Sept.-Nov. 1985 Ten Week Short Course (2 hours/week): “Mathematical Modeling in Epidemiologic Research: Logistic Regression.” Centers for Disease Control.

August 5-8, 1985 “Graduate Service Statistics Courses: What, to Whom and by Whom?” Annual Meeting of the American Statistical Association. Las Vegas, Nevada.

April 25, 1985 Seminar: “Prediction and Normal Limits in Clinical Research.” The Atlanta Cancer Surveillance Center.

1984 Ten Week Short Course (2 hours/week): “Multivariable Statistical Techniques: Principles and Applications.” Centers for Disease Control.

June 13, 1984 Seminar: “Biometrical Considerations in Designing a Clinical Study.” Clinical Research Center.

May 1984 Tutorial on Unbalanced Analysis of Variance. Special Colloquium. University of Georgia.

May 24, 1982 “Nonlinear Regression: A Tutorial.” Atlanta Chapter, American Statistical Association.

November 1-6, 1981 “Experimental Designs in Rehabilitation Research.” Course Organizer and Presenter. American Congress of Rehabilitation Medicine Meeting. San Diego, California.

August 10-13, 1981 “Using a University-Based Clinical Research Facility to Train Statistics Graduate Students in Statistical Consultation.” Invited paper, Annual ASA Meeting. Detroit, Michigan.

- 1980 “Single Subject Designs and Group Comparison Designs.” Designs for Rehabilitation Research Conference. Atlanta, Georgia.
- November 14, 1979 Seminar: “The Significance of Significance Testing.” Clinical Research Center, Emory University, Atlanta, Georgia.
- 1978 Seminar: “Analysis of Time Series Data.” Centers for Disease Control, Atlanta, Georgia.
- 1978 Seminar: “Analysis of Variance and Covariance.” Centers for Disease Control, Atlanta, Georgia.
- 1978 “Periodic Regression Analysis: A Demographic Model Building Technique.” Annual Population Association of American Meeting. Atlanta, Georgia.
- March 1978 “Seasonal Variation in Fertility Using Periodic Regression Analysis.” Annual Southern Sociological Society Meeting. New Orleans, Louisiana. (With C.W. Warren, R.P. Briggs and C.W. Tyler.)
- November 1977 “The Analysis of Multiple Variable Dependencies in Chronic Disease Etiology.”
Invited paper, American Public Health Association Meeting. Washington, D.C. (With B.A. Blumenstein.)
- April 14-15, 1977 “Analysis of Variance Incorporating Trend Analysis with Unbalanced Data.” Tenth Annual Symposium on the Interface of Computer Science and Statistics. National Bureau of Standards.
- March 8-10, 1976 “Path Analysis: Some Biometrical Examples.” Regional Biometrics Meeting. College Station, Texas. (With B.A. Blumenstein.)
- March 20, 1975 Seminar: “Variance Component Estimation.” Concordia University. Montreal, Canada.
- 1974 Seminar: “Nonorthogonal Data Analysis.” Kansas State University.
- August 26-29, 1974 “Hypothesis Testing in Unbalanced Crossed Classified Fixed Effects Models.” Annual ASA Meeting. St. Louis, Missouri.
- April 6, 1974 Dinner Speaker. Atlanta Chapter ASA Meeting.
- October 1973 “A Critique: Hair Sulfur Analysis for Evaluation of Normal and Abnormal Hair.” First Human Hair Symposium, Atlanta, Georgia.
- August 14-17, 1972 “Comparative Studies of Variance Components for the Balanced Incomplete Block Design Under an Eisenhart Model II.” Annual ASA Meeting. Montreal, Canada.
- June 11-16, 1972 “Maximum Likelihood Analysis of Mixed Linear Models: The Balanced Incomplete Block Model.” SREB Summer Research Conference in Statistics. Mountain Lake, Virginia.
- February 1971 “Estimation of Variance Components via Maximum Likelihood.” Emory University. Atlanta, Georgia.

December 27-30, 1970 “Quasi-Maximum Likelihood Estimates of Variance Components.” The Allied Social Science Association Meeting. Detroit, Michigan

May 1962 “A Statistical Analysis of a Crop Rotation Experiment.” Virginia Academy of Sciences Meeting.

MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

American Statistical Association (Member since 1962)

- ◆ 2013-2015 Appointed to Dixon Awards Committee, American Statistical Association
- ◆ 2015 Chair, W.J. Dixon Awards Committee, American Statistical Association
- ◆ 2003 – 2008 Member, Finance Committee
- ◆ 2001 Chair, Local Assistance Committee, Joint Statistical Meeting
- ◆ 2000 - 2001 Nomination Committee Member (President and Vice President)
- ◆ 1998 - 2000 Elected Council of Sections Representative, Section on Statistical Consulting
- ◆ 1994 Joint Program Committee: Section on Teaching of Statistics in the Health Sciences
- ◆ 1994 Organized, Chaired and Discussed Invited Paper Session Joint Statistical Meetings
- ◆ 1993 - 1995 Board Member, District Representative
- ◆ 1990 – 1991 Member, Local Arrangements Committee, Joint Statistical Meetings
- ◆ 1988-1990 Member, Publications Committee, Vice-Chair
- ◆ 1988 Member, Ad Hoc Committee on Transition Costs for Editors of ASA Publications
- ◆ 1988-1989 Committee on the ASA Sesquicentennial; Chair of Finance Subcommittee
- ◆ 1987-1989 Winter Conference Evaluator
- ◆ 1987-1994 Institutional Membership Representative
- ◆ 1987 Winter Conference Coordinator
- ◆ 1985-1986 Chair, Nominating Committee for District Governor Chair of Council of Governors and ASA Board Representative
- ◆ 1984-1986: Member, Ad Hoc Committee on ASA Policy on Grants and Contracts
- ◆ 1985-1986 Executive Committee, Council of Chapters, District 5 Governor
- ◆ 1984-1986 President, Atlanta Chapter ASA
- ◆ 1981-1983 Board Member, District 5 Representative
- ◆ 1981-1983 Member, Budget Committee of Board
- ◆ 1983 Chair, Budget Committee of Board
- 1980 Organized and Chaired, Invited Session at National ASA Meeting

- ◆ 1978-1980 Associate Editor, The American Statistician
- ◆ 1979-1982 Vice-Chair, Ad Hoc Committee of Sections and Subsections
- ◆ 1979-1982 Vice Chair, Committee to Revise the ASA Constitution
- ◆ 1977-1978 Member, Ad Hoc Committee on Chapters Outside U.S. and Canada
- ◆ 1975-1976 Member, Ad Hoc Committee on Membership, Dues and Publications
- ◆ 1975 Vice-Chair, Executive Committee of Local Arrangements National ASA Meeting
- ◆ 1974 Chair, Nominating Committee for District 5 Representative
- ◆ 1975;
1977-1980 Chair, Nominating Committee, Atlanta Chapter ASA
- ◆ 1977-1979 Chair, Committee on Chapter, District and Regional Activities
- ◆ 1974-1976 Member, Committee on Chapter, District and Regional Activities
- ◆ 1973-1974 President, Atlanta Chapter ASA
- ◆ 1972-1973 Secretary/Vice President, Atlanta Chapter ASA

American Statistical Association Elected Office

- ☞ American Statistical Association - Board of Directors, 1981-1983, 1993-1995
- ☞ Management Review Committee Member
- ☞ Board Planning Teams: Outreach, Chair; Activities for non-Ph.D. members
- ☞ Council of Chapters Governing Board: Chair, Fellows Committee

Biometrics Society (Member since 1971)

- ◆ 2010 Chaired IMS Special Lecture Session
- ◆ 1994 Served on Local Arrangements Committee for the Biometrics Spring Meeting, Eastern North American Region, Cleveland, Ohio
- ◆ 1986 Local Arrangements Chair, 1986 Regional Meeting (ENAR)
- ◆ 1981-1983 Member, Regional Advisory Board (ENAR)

Virginia Academy of Sciences (Member 1960-1967)

- ◆ 1966-1967 Vice President, Statistics Section

Southern Regional Council on Statistics (Member 1986-1993; 2000-)

- ◆ 2012 Local Arrangements Chair, Jekyll Island, Georgia
- ◆ 2010-2011 Past-President and Member of Program Committee for 2011 SRC
- ◆ 2009 Co-Program Chair, Summer Research Conference, Jekyll Island, Georgia
- ◆ 2008-2009 President
- ◆ 2006-2007 President-Elect
- ◆ 1992-1994 Executive Committee, Secretary
- ◆ 1988-1990 Member, Summer Research Conference Planning Committee
- ◆ 1989 Program Chair, Summer Research Conference
- ◆ 1989-1993 Chair, Awards Committee
- ◆ 1986-1993 Institutional Representative

Society for Clinical Trials (Member since 1994)

- ◆ 2009 Invited Session Organized and Speaker at Annual Meeting, May 4th
- ◆ 2004 Organized and Chaired Invited Session at Annual Meeting, May 26th
- ◆ 2004 Program Committee

CONSULTING AND/OR ADVISING

- * 2016- Technical Resources International, Inc.
- * 2013-2015 SSS Consulting, Inc.
- * 2011-2014 St. Jude Medical
- * 2008-2009 Eagle Pharmaceuticals
- * 1993-1995 Scientific Review Committee, American Cancer Society - "Colon Polyp Prevention Study"
- * 1992-1993 Chief Statistician, Statistical Protocol Review Group, National Institute for Occupational Safety and Health
- * 1991-1994 CytRx Corporation
- * 1991-1994 Theragenics Corporation
- * 1991-1994 Porex Pharmaceuticals

- * 1990-1994 Solvay Pharmaceuticals
- * 1990-1995 Technical Advisory Committee, American Cancer Society – “A Clinical Study of a Calorie Controlled/Low Fat Diet in Prevention of Breast Cancer Recurrence”
- * 1990-1991 Bard Urological
- * 1989-1990 Norwich-Eaton Pharmaceuticals
- * 1986-1989 Labthermics Technologies, Inc.
- * 1983 Middle South Utilities
- * 1983-1987 Veterans Administration, Operations Committee Member
- * 1980 DeKalb County School System
- * 1979-1980 Mary Ann Oakley, Attorney (Age Discrimination Case)
- * 1974- Centers for Disease Control and Prevention
- * 1976-1980 Georgia Power Company (Environmental Studies Division)
- * 1976 National Heart and Lung Institute

REFEREEING (STATISTICAL JOURNALS)

- ❖ Journal of the American Statistical Association
- ❖ The American Statistician
- ❖ Biometrics
- ❖ Technometrics
- ❖ Communications in Statistics
- ❖ Journal of Statistical Computation and Simulation
- ❖ Journal of Official Statistics

JOURNAL EDITORSHIP

- ❖ Statistical Editor, Annals of Epidemiology (2003-2008)

OUTSIDE PROFESSIONAL ACTIVITIES

Data and Safety Monitoring Boards

- Member, Data and Safety Monitoring Committee, Winship Cancer Institute, 2011-present
- Member, Data and Safety Monitoring Committee for NIDDK U01 grant: “Treatment of Chronic Disease Mineral Bone Disorder”

- Home-Based AIDS Core Project, Chair, DSMB, Uganda/CDC
- Multicenter Selective Lymphadenectomy Trial (MSLT) funded by the National Cancer Institute
- HALT-C Trial funded by National Institute of Diabetes, Digestive and Kidney Diseases
- Chair, Data Safety Monitoring Committee, “A Peer-led, Medical Disease Self-management Program for Mental Health Consumers” (PI: B. Druss)

Advisory Committees/Special NIH Panel Reviewer

- ✓ Special Reviewer NIH/NIAMS
- ✓ Special Reviewer NIH/NCI Grants
- ✓ Special Reviewer NIH/NIAID Training Grants
- ✓ Alumni Advisory Committee, Texas A & M, Department of Statistics
- ✓ Advisory Committee, Lung Cancer SCORE Grant, Winship Cancer Institute
- ✓ Advisory Committee, Exploratory Nursing Research Center, Emory University School of Nursing
- ✓ Dialysis Outcomes and Practice Patterns Study Advisory Board Member, AMGEN.
- ✓ Advisory Board, Department of Mathematical Sciences, Clemson University
- ✓ Review Biostatistics and Bioinformatics Programs, Northwestern University School of Medicine

GRANT SUPPORT (2011-2014)

5 P30 AI50409-15 (Curran) NIH Centers for AIDS Research	08/01/98-01/01/15 \$1,357,566	0.60 calendar months
3P01CA116676-05S1 (Khuri) NIH Targeting Cell Signaling in Lung Cancer to Enhance Therapeutic Efficacy	06/20/06-05/31/12 \$4,420,995	0.24 calendar months
5 P50 MH077083-04 (Mayberg) NIH Predictors of Antidepressant Treatment Response: The Emory Cedar	07/14/06-06/30/11 \$1,202,123	0.60 calendar months
5 P01 HD32571-19 (English) NIH/NICHD Spinal Circuits and the Musculoskeletal System	04/20/95-03/31/17 \$3,402,250	0.60 calendar months
5 P50 MH077928-04 (Stowe) NIH/NIMH Perinatal Stress and Gene Influences: Pathways to Infant Vulnerability	09/01/07-07/31/12 \$4,098,570	0.60 calendar months
5 P01 HL086773-03 (Roback) NIH	07/01/08-08/31/13 \$1,249,686	0.96 calendar months

Mechanisms and Interventions Addressing Serious Hazards of Transfusion and Cellular Therapies

5 R21 AT004220-02 (Kutner) NIH	07/01/09-06/30/12 \$152,756	0.60 calendar months
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Melatonin Supplementation and the Metabolic Syndrome

3 R21 AT00450901-A2S1 (Chapman) NIH	09/30/09-09/29/11 \$162,875	0.48 calendar months
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Melatonin and Nighttime Blood Pressure in African Americans

1 R34 AI091437-01 (Omer) NIH	09/23/10-08/31/12 \$174,916	0.36 calendar months
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Effects of Maternal Influenza Immunization: A Field Trial in Guatemala

1 P01 HL101398-01 (Quyumi) NIH/NHLBI	09/01/10-05/31/15 \$1,425,790	2.40 calendar months
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Mental Stress Ischemia: Mechanisms and Prognosis