

CURRICULUM VITAE

JOEL BRUCE GREENHOUSE

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EDUCATION

1978-1983:	Ph.D., Biostatistics University of Michigan, Ann Arbor
1979-1980	A.M., Statistics University of Michigan, Ann Arbor
1975-1977	M.P.H., Biostatistics University of Michigan, Ann Arbor
1971-1975	B.S., Mathematics University of Maryland, College Park

ACADEMIC
APPOINTMENTS

CARNEGIE MELLON UNIVERSITY

1995-	Professor, Department of Statistics
1989-1995	Associate Professor, Department of Statistics
1984-1989	Assistant Professor, Department of Statistics
1983-1986	Post Doctoral Fellow, Department of Statistics

UNIVERSITY OF PITTSBURGH

1996-	Adjunct Professor of Psychiatry
2000-	Adjunct Professor of Epidemiology
1990-2000	Adjunct Associate Professor of Epidemiology
1990-1996	Adjunct Associate Professor of Psychiatry
1985-1990	Adjunct Assistant Professor of Epidemiology and Psychiatry
June, 1986	Visiting Assistant Professor, Memphis Speech and Hearing Center Memphis State University
1977-1978	Biostatistics Center, George Washington University Research Associate for Jerome Cornfield

PROFESSIONAL EXPERIENCE

Academic Administration

Carnegie Mellon University and Dietrich College of Humanities & Social Sciences

- *Vice-Chair*, University Education Council, 2023-
- CMU Faculty Senate, *Vice-Chair*: 2015-2016; *Senator*: 2023-
- *Associate Dean for Academic Affairs*, College of Humanities and Social Sciences, 1997-2002
- *Vice-Chair*, University First-Year Council, 1996-2002

Department of Statistics

- Director, *Master's of Statistical Practice Program*, 2008-2016
- Director, *Summer Undergraduate Internship Program for Minority Students*, 2001-2008
- *Associate Head*, 1994-1997
- Director, *Psychiatric Statistics Training Program*, 1989-1997

University of Pittsburgh

- Administrative Committee, *Mental Health Intervention Research Center*, Western Psychiatric Institute and Clinic, 2000-2006
- Director, *Methodology Core, Mental Health Clinical Research Center*, Western Psychiatric Institute and Clinic, 1990-2000

Other

- *Board of Visitors*, Hiram College, 2015-2021

National Research Council/National Academies of Sciences

Workshop on Approaches to Improve the Measurement of Suicide in Law Enforcement in the United States, Co-chair, April 25-26, 2023.

Standing Committee for Improving Motor Carrier-Safety Management Co-chair, 2017-2019.

Panel on *The Review of the Compliance, Safety, and Accountability Program of the Federal Motor Carrier Safety Administration* Co-chair, 2016-2017

Panel on *Research Methodologies and Statistical Approaches to Understanding Driver Fatigue Factors in Motor Carrier Safety and Driver*, 2014-2016.

Committee on National Statistics, 1991-1997.

Committee on the Assessment of Family Violence Interventions, Institute of Medicine, 1995-1997.

Panel on *The Combination of Information*, Committee on Applied and Theoretical Statistics, 1990-1992.

Data Monitoring Committees

fMRI Neurofeedback to treat Depression in Adolescents, Columbia University, 2023-

Prevention of OUD: The HOME Randomized Trial, Ohio State University, 2019- 2023

Glycemic Reduction Approaches in Type 2 Diabetes: A Comparative Effectiveness Study (GRADE), NIDDK, 2013-2022 .

Incomplete Response in Late Life Depression: Getting to Remission (IRL GREY), 2010-2015, NIMH.

Prostate Cancer Intervention Versus Observation Trial (PIVOT), 1994-2012. VA Cooperative Study.

REACH II (Resources for Enhancing Alzheimer's Caregiver Health) Collaborative Study, 2002-2004. NIH.

Prophylactic Cognitive Therapy for Depression (Chair) NIMH multi-site study, 2001-2006

Photodynamic Therapy for Treatment of Malignant Supratentorial Brain Tumors, Karmanos Cancer Center, Detroit, MI. 2000-2003

Emergency Department Community-Acquired Pneumonia Study (EDCAP), AHRQ, 2001-2003

NHLBI-BARI Clinical Trial, University of Pittsburgh, 1987-2005

Active Immunotherapy of HIV Infection IPL Phase II Study of Moderate HIV Infection, VA Cooperative Study, 1992-1994

Randomized Trial of Primary Liver Transplantation with FK506 vs Cyclosporine, University of Pittsburgh, 1990-1993

Brain Resuscitation Clinical Trial, University of Pittsburgh, 1986

Scientific Review/Advisory Panels

Commercial Motor Vehicle Driver Restart Study, Federal Motor Carrier Safety Administration, U.S. Department of Transportation, 2015 - 2016

What Works Clearinghouse (WWC) Expert Review Panel, National Board for Education Sciences, U.S. Department of Education, 2008.

TADS (Treatment of Adolescent Depression Study), 1999-2004. NIMH.

REACH (Resources for Enhancing Alzheimer's Caregiver Health) Collaborative Study, 1996-2001. NIH.

Panel, *NIH Technology Assessment Conference on Gaucher Disease: Current Issues in Diagnosis and Treatment*, Feb 27 - March 1, 1995.

Mental Health Clinical Research Center for the Study of Schizophrenia, Department of Psychiatry, Long Island Jewish Hospital, 1994-1998.

Patient Outcome Research Team (PORT) for Schizophrenia, University of Maryland School of Medicine and Johns Hopkins University School of Public Health, 1992-1997

Workshop Mathematics: Using New Pedagogy and Computers in Introductory Mathematics and Statistics Courses, Dickinson College, 1991-1994

Short Courses

Statistical Reasoning for Clinical Investigators, Department of Psychiatry, University of Pittsburgh: Spring, 2002; Spring, 2003; Spring, 2005; Spring 2007.

Analysis of Longitudinal Data: Methods and Issues, International Society for Research in Child and Adolescent Psychopathology, Paris, France, June, 1997.

Practical Issues in the Synthesis of Clinical Trials Results, Society for Clinical Trials, Seattle, April, 1995.

Statistical Methods for Longitudinal Data, NIMH-Society for Psychotherapy Research Statistical Institute, Wintergreen, Va, June, 1990

Professional Societies

American Association for the Advancement of Science, Section U:

- Chair (2010), Chair-elect (2009), Retiring-Chair (2011)
- Nominating Committee 2002-2006; Chair (2011, 2004)
- Member-at-Large 2003-2007

Society for Clinical Trials,

- *Board of Directors* (elected) 2002-2006
- *Publications Committee* 2003 - 2006
- *Fellows Committee* 2004-2007

International Biometric Society:

- *Executive Board*, elected 2015-2018, 2019-2022
- *Ad Hoc IBS Publication Review Committee*, Chair 2004-2006
- *Education Committee*, Chair 2000-2001, Member: 2000 - 2007

Eastern North American Region(ENAR), International Biometric Society:

- *President* (1998), *President-elect* (1997), *Past-President* (1999)
- *Executive Committee* (1997-1999)
- *Nominating Committee* 2003, 2007, 2008
- *Student Awards Committee*, 1995, 1998, 1999 (chair)
- *Program Chair: Joint Spring Meetings*, Richmond, VA, 1996
- *Regional Committee*, 1993-1996 (elected)
- *Regional Advisory Board*, 1986-1989, 1990-1993

Visiting Lecturer Program, Committee of Presidents of Statistical Societies, 1994-1996.

Other

External Review Committee, Department of Statistics, George Washington University, 2009

Biostatistics Core Group, MacArthur Foundation: On the Psychobiology of Depression, 1986-1993

Board of Directors, *Pittsburgh Women's Center and Shelter*, 1998 - 2006.

National Selection Board, *Joint Program in Survey Methodology Internship Program*, 1998-2002

Consultant, Division of Biometrics, Food and Drug Administration, 1986

Review Committee: *Program in Community Medicine*, University of Pittsburgh, 1986

Special Review Panels/Site Visits:

National Aging Institute; AIDS & Related Research Review Group; National Institute of Diabetes, Digestive and Kidney Diseases; National Institute of Mental Health; National Institute of Neurologic Disorders and Stroke; National Cancer Institute.

Awards and Honors

- 2020 *National Associate* of the National Academies of Sciences
- 2019 *The Robert Doherty Prize for Educational Leadership*, Carnegie Mellon University
- 2005 *Statistician of the Year*, Pittsburgh Chapter of the American Statistical Association
- 1996 Elected, *Fellow of the American Association for the Advancement of Science*
- 1994 Elected, *Fellow of the American Statistical Association*
- 1992 Elected, *International Statistical Institute*
- 1987 William H. and Francis S. Ryan Teaching Award for Effectiveness
in Teaching Undergraduate Students, Carnegie Mellon University
- 1987 E. D. Smith Award for Distinguished Teaching and Educational Service
College of Humanities and Social Sciences, Carnegie Mellon University
- 1983-1986 National Research Service Award in Psychiatric Statistics (NIMH)
Carnegie Mellon University
- 1983 Sigma Xi, Carnegie Mellon University
- 1979-1982 National Research Service Award for Biostatistical Training in
Heart and Vascular Disease (NHLBI), University of Michigan
- 1978-1979 Rackham Doctoral Fellowship, University of Michigan
- 1975-1977 Public Health Service Traineeship, University of Michigan

Special Lectures/Keynote Presentations

- 2023 *Symposium on the Frontiers of Statistics*, National Academies of Sciences, June 2023
- 2022 *Presidential Invited Address*, International Biometric Society, Eastern North American Region (ENAR)
- 2020 Keynote Speaker: *Global Clinical Development & Analytics Conference*, Novartis, October 2020
- 2020 Keynote Speaker: *Leadership Empowerment and Learning Culture Seminar*, Novartis, September 2020
- 2016 *Rod Little Distinguished Lecture*, Department of Biostatistics, University of Michigan, September 2016
- 2013 Keynote Speaker: *Tom TenHave Symposium on Statistics in Psychiatry*, New York University, May 2013

- 2012 *Rackham Centennial Alumni Lecture*, Department of Biostatistics, University of Michigan, October 2012
- 2001 *Jacob Cohen Memorial Lecture*, Columbia University, May 2001
- 1996 Keynote Speaker: *Joint Meetings of the Iowa ASA and MAA*. April, 1996

PUBLICATIONS

Books

- National Academies of Sciences, Engineering and Medicine. 2023. *Measuring Law Enforcement Suicide: Challenges and Opportunities. Proceedings of a Workshop*. Washington, DC: The National Academies Press. DOI: <https://doi.org/10.17226/27216>
- National Academies of Sciences, Engineering, and Medicine. 2017. *Improving Motor Carrier Safety Measurement*. Washington, DC: The National Academies Press. <https://doi.org/10.17226/24818>.
- National Academies of Sciences, Engineering, and Medicine. 2016. *Commercial Motor Vehicle Driver Fatigue, Long-Term Health, and Highway Safety: Research Needs*. Washington, DC: The National Academies Press. doi:10.17226/21921
- Committee on the Assessment of Family Violence Interventions, *Violence in Families: Assessing Prevention and Treatment Programs. A Report of the National Research Council/Institute of Medicine*, 1998. Rosemary Chalk and Patricia King, editors. Washington, D.C.: National Academy Press.
- Lange N, Ryan L, Billard L, Brillinger D, Conquest L, and Greenhouse J. (editors). *Case Studies in Biometry*, 1994, New York: John Wiley & Sons.
- Gaver DP, Draper D, Goel PK, Greenhouse JB, Hedges LV, Morris CN and Waternaux C. *Combining Information: Statistical Issues and Opportunities for Research*. 1992, Washington, D.C.: National Academy Press.

Chapters, Editorials, Encyclopedia Articles

- Greenhouse JB, Anderson H, Bridge JA, Libby A, Valuck R, and Kelleher KJ (2017). Combining information from multiple data sources for comparative effectiveness research: An introduction to cross-design synthesis with a case study. In *Quantitative Methods for Comparative Effectiveness Research*, edited by C Gatsonis and S Morton. New York: Chapman & Hall/CRC Press.
- Greenhouse JB (2012). Special issue in honor of Jerome Cornfield on the centennial of his birth: Introduction. *Statistics in Medicine*, 31(24):2757-2759. DOI:10.1002/sim.5610
- Greenhouse, J. and Iyengar, S (2009). "Sensitivity analysis and diagnostics" in *The Handbook of Research Synthesis, 2nd ed.*, H.M. Cooper, L. Hedges and J. Valentine, editors. Russell Sage Foundation, New York.
- Kelleher K, Greenhouse J, Bridge J, Gardner W, Klima J, McInerney T (2009). Letter: Safety of Antidepressants. *Pediatrics*. <http://pediatrics.aappublications.org/cgi/eletters/123/4/1223>

- D'Agostino RB, Farewell, V, Greenhouse JB, Whitehead, J (2009). Editorial: Updating our Aims and Scope for the Future. *Statistics in Medicine*, 28(1):1-2.
- D'Agostino RB, Greenhouse JB (2008). Editorial: Comments from the Editors *Statistics in Medicine*, 27(1):1-2.
- D'Agostino RB, Campbell MJ, Greenhouse JB (2006). Editorial: 25 Years of Statistics in Medicine. *Statistics in Medicine*, 25(1):1-2.
- D'Agostino RB, Campbell MJ, Greenhouse JB (2006). Editorial: Surrogate markers: Back to the future. *Statistics in Medicine*, 25(2):181-182.
- D'Agostino RB, Campbell MJ, Greenhouse JB (2006). Editorial: The Mann-Whitney statistic: Continuous use and discovery. *Statistics in Medicine*, 25(4):541-542.
- Greenhouse J and Lachin JM (2005) "Samuel W. Greenhouse." In: *The Encyclopedia of Biostatistics*, 2nd. ed.. Editors: Armitage, P. and Colton, T. John Wiley, New York.
- Greenhouse J. (2001) Meta-Analysis: In Practice, in *International Encyclopedia of the Social and Behavioral Sciences*, Neil Smelser and Paul Baltes (editors), Elsevier, 9713-9717.
- Greenhouse SW and Greenhouse J (1998). "Jerome Cornfield." In: *The Encyclopedia of Biostatistics*. Editors: Armitage, P. and Colton, T. John Wiley, New York.
- Greenhouse, J. "Meta-analysis review from a psychiatric statistical perspective" Chapter 19 in *Diagnosis and Treatment of Depression in Late Life: Results of the NIH Consensus Development Conference*, L.S. Schneider, C.F. Reynolds, B.D. Lebowitz and A.J Friedhoff, eds. 1994, American Psychiatric Press, Washington, D. C.
- Greenhouse, J. and Iyengar, S. "Sensitivity analysis and diagnostics" Chapter 24 in *The Handbook of Research Synthesis*, H.M. Cooper and L. Hedges, editors, 1994, Russell Sage Foundation, New York.
- Greenhouse, J. and Junker, B. "Basic statistical principles," in *Research in Psychiatry: Issues, Strategies, and Methods*, L.K. Hsu and Michel Hersen, editors. 1992, New York: Plenum.
- Greenhouse, J; Fromm, D; Iyengar, S; Dew, M A; Holland, A; Kass, R. "The making of a meta-analysis: A case study of a quantitative review of the aphasia treatment literature," Chapter 3 in *The Future of Meta-Analysis*, eds. K. Wachter and M. Straf, 1990, Russell Sage Foundation.
- Cornell, RG and Greenhouse, J. "Health Manpower Shortage Area Designation: Statistical Methodology for the Establishment of Summary Measures and Critical Values," in *Proceedings of the Workshop on Health Manpower Shortage Areas*, Orlando, Florida, Bureau of Health Manpower, Health Resources Administration, December, 1976, 119-138.

Refereed Posters & Abstracts

- Fromm D, Dalton S, Brick A, Olaiya G, Hill S, Greenhouse J, MacWhinney B. (17 November 2023). *Changes in Typicality of Language Use in Dementia*. American Speech & Hearing Association, Boston, MA.

- Fromm D, MacWhinney B, Chern S, Geng Z, Kim M, & Greenhouse J (2023, May 30-June 3). *Automated analysis of fluency behaviors in aphasia*. Clinical Aphasiology Conference, Atlantic City, NJ, United States.
- Fromm D, Saketh K, Paccine M, Hecht S, Greenhouse J, MacWhinney, Schnur TT (2020). A comparison of manual versus automated analysis of Cinderella stories using the quantitative production analysis. 58th Annual Academy of Aphasia Meeting, in Philadelphia, PA.
- Ryan SM, Kaufman JH, She R, Shi J, Greenhouse JB (2015). The Effectiveness of Blended Online Learning Courses at the Community College Level. Accepted for presentation at the AERA Annual Meeting. Session: *Community College Students: Focus on Course Taking, Transfer and Students from the Foster Care System*.
- MacWhinney B, Fromm D, Forbes M, Holland A, Makris C, Todd T, Greenhouse J (2012). Comprehensive Statistical Analysis of Aphasia Types. Abstract for Academy of Aphasia in *Procedia Social and Behavioral Sciences*, 41:159-160.
- Sweeney JA, Kmiec JA, Steele R, Greenhouse J, Hass GL, Keshavan MS, Thase ME (1998). Abstract: Implicit/Procedural memory is impaired in major depression but not schizophrenia. *Biological Psychiatry*, 43(8):70S.

Media, Podcasts

- Stats + Stories: “13 Reasons Why Association with Your Suicide”, Episode 144, June 25, 2020
<https://statsandstories.net/society1/13-reasons-why-association-with-youth-suicide>
- Stats + Short Stories: “Statistical Summer Transportation Safety”, Episode 146, July 9, 2020
<https://statsandstories.net/society1/statistical-summer-transportation-safety>
- Greenhouse JB (26 July, 2013). Statistical thinking: The bedrock of data science. *Huffington Post*.
<http://m.huffpost.com/us/entry/3651121>

Invited Discussions

- Phillips C and Greenhouse J (2020). Comment on AB Hill’s “The Environment and Disease: Association or Causation?” *Observational Studies* 6:24-29.
https://obsstudies.org/wp-content/uploads/2020/01/hill_combined_file_final.pdf
- Greenhouse JB (2016). Comment on “Perils and Potentials of Self-Selected Entry to Epidemiological Studies and Surveys” by Niels Keiding and Thomas A Louis, *Journal of the Royal Statistical Society, A*, 179(2):319-376.
- Greenhouse JB (2009). Commentary: Cornfield, Epidemiology, and Causality. *International Journal of Epidemiology*, 38(5):1199-1201.
- Greenhouse JB and Kelleher KJ (2005). Thinking outside the (black) box: Antidepressants, suicidality, and research synthesis. *Pediatrics*, 116:231-233.
- Greenhouse J.B. On Clinical Trials in Psychiatry, *Biological Psychiatry*, 2000, 48:433-435.

- Greenhouse, J. Comment on “Scientific Inference and Prediction; Multiplicities and Convincing Stories: A Case Study in Breast Cancer Therapy” by D.A. Berry et al., in *Bayesian Statistics 5*. Bernardo, Berger, Dawid and Smith (eds.), 1996, Oxford University Press, p. 65.
- Greenhouse, J. and Wasserman, L. Comment on “Bayesian approaches to randomized trials” by Spiegelhalter, D., Freedman, L. and Parmar, M. *Journal of the Royal Statistical Society, A*, 1994, 157:404-405.
- Greenhouse, J. Comment on “Clinical trials in psychiatry: Should protocol deviation censor patient data?” by Phil Lavori, *Neuropsychopharmacology*. 1992, 6:53-55.
- Greenhouse, J. Parapsychology: On the margins of science? Invited comment on “Replication and meta-analysis in parapsychology” by Jessica Utts. *Statistical Science*, 1991, 6:363-403.
- Kass, R. and Greenhouse, J. Comment on “Investigating therapies of potentially great benefit: ECMO” by J. Ware, *Statistical Science*, 1989, 4:31-37.
- Greenhouse, J and Iyengar, S. Discussion of “Publication Bias: A Problem of Interpreting Medical Data” by Colin Begg and Jesse Berlin, *Journal Royal Statistical Society A*, 1988, 3, 454.
- Greenhouse, J. Commentary on “Epidemiologic Studies of Environmental Exposure and Specific Diseases” by Martin Gardner, *Archives of Environmental Health*, March/April 1988, 43:2, 109-111.
- Greenhouse, J. Comment on “Statistics in Psychiatry” by B.S.Everitt, *Statistical Science*, May 1987, 2:2, 127-130.

Articles

- Bretz F, Greenhouse J (2023). The role of statistical thinking in biopharmaceutical research. *Statistics in Biopharmaceutical Research*, 15(3):458-467. DOI: 10.1080/19466315.2023.2224259
- Fromm D, Greenhouse J, Pudil M, Shi Y, MacWhinney B (2021). Enhancing the classification of aphasia: A statistical analysis using connected speech. *Aphasiology*. DOI: 10.1080/02687038.2021.1975636.
- Fromm D, Katta S, Paccione M, Hecht S, Greenhouse J, MacWhinney B, Schnur T (2021). A comparison of manual versus automated quantitative production analysis of connected speech. *J of Speech and Hearing Research*, 30 March 2021, DOI: 10.1044/2020-JSLHR-20-00561
- Scheier MF, Swanson JD, Barlow MA, Greenhouse JB, Wrosch C, and Tindle HA for the Optimism/Pessimism Meta-Analytic Consortium (2021). Optimism Versus Pessimism as Predictors of Physical Health: A Comprehensive Reanalysis of Dispositional Optimism Research. *American Psychologist*, 76:529-548. DOI: <http://dx.doi.org/10.1037/amp0000666>
- Dunn R, Greenhouse J, James D, Ohlssen, Mesenbrink P (2020). Risk Scoring for Time to End-Stage Knee Osteoarthritis: Data from the Osteoarthritis Initiative. *Osteoarthritis and Cartilage*, 28(8):1020-1029. DOI: 10.1016/j.joca.2019.12.013
- Commentary on “Risk Scoring for Time to End-Stage Knee Osteoarthritis: Data from the Osteoarthritis Initiative” by H. Ghomrawi and J. Lee *Osteoarthritis and Cartilage*., 28(8):1001-1002. DOI: 10.1016/j.joca.2020.03.019

- Bridge JA, Greenhouse JB, Ruch D, Stevens J, Ackerman J, Sheftall AH, Horowitz LM, Kelleher KJ, Campo, JV (2020). Association between the release of Netflix's *13 Reasons Why* and suicide rates in the United States: An interrupted time series analysis. *J of the American Academy of Child & Adolescent Psychiatry*, 59(2):236-243. DOI: <https://doi.org/10.1016/j.jaac.2019.04.020>
- Stern HS, Blower D, Cohen ML, Czeisler CA, Dinges DF, Greenhouse JB, Guo F, Hanowski RJ, Hartenbaum NP, Krueger GP, Mallis MM, Pain RF, Rizzo M, Sinha E, Small DS, Stuart EA, Wegman DH (2019). Data and Methods for Studying commercial motor vehicle driver fatigue, highway safety and long-term driver health. *Accident Analysis & Prevention*. 126:37-42. <https://doi.org/10.1016/j.aap.2018.02.021>
- Reinhart A, Greenhouse JB (2018). Self-exciting point processes with spatial covariates: Modeling the dynamics of crime. *J of the Royal Statistical Society-C*. 67(5):1305-1329. DOI: 10.1111/rssc.12277
- Greenhouse JB, Seltman HJ (2018). On Teaching Statistical Practice: From Novice to Expert. *American Statistician*, 72(2):147-154, DOI:10.1080/00031305.2016.1270230
- Bridge JA, Horowitz LM, Fontanella CA, Sheftall AH, Greenhouse J, Kelleher KJ, Camp JV (2018). Age-related racial disparity in suicide rates among US youths from 2001 through 2015. *JAMA Pediatrics* doi:10.1001/jamapediatrics.2018.0399.
- Rosen D, Engel R, McCall J, Greenhouse J (2017). Problem Solving Therapy to Reduce Depressive Symptom Severity among Older Adult Methadone Clients: A Randomized Clinical Trial. *Research on Social Work Practice*, 28(7):802-809. DOI:10.1177/1049731516686692
- VanHoudnos N, Greenhouse JB (2016). On the Hedges Correction for a t-test. *Journal of Educational and Behavioral Statistics*, 41(4):392-419. DOI:10.3102/1076998616644990
- Fromm D, Greenhouse J, Hou K, Russell GA, Cai X, Forges M, Holland A, MacWhinney B (2016). Automated Proposition Density Measure for Discourse in Aphasia. *Journal of Speech, Language, and Hearing Research*, 59:1123-1132. DOI:10.1044/2016JSLHR-L-15-0401
- Ryan SM, Kaufman JH, She R, Shi J, Greenhouse JB (2016). The Effectiveness of Blended Online Learning Courses at the Community College Level. *Community College Journal of Research and Practice*, 40(4):285-298. DOI:10.1080/10668926.2015.1044584.
- Dew MA, Rosenberger EM, Myaskovsky L, DiMartini AF, Dabbs AJ, Posluszny DM, Steel JL, Switzer GE, Shellmer D, Greenhouse JG (2015). "Depression and Anxiety as Risk Factors for Morbidity and Mortality after Organ Transplantation: A Systematic Review and Meta-Analysis". *Transplantation*, 100(5):988-1003.
- Bridge JA, Asti L, Horowitz LM, Greenhouse JB, Fontanella CA, Sheftall, AH, Kelly KJ, Campo JV (2015). Suicide Trends Among Elementary School-Aged Children in the United States, 1993-2012: Increasing Incidence in Black Children. *JAMA Pediatrics*, 169(7):673-677.
- Amatya A, Bhaumik DK, Normand SL, Greenhouse J, Kaizar E, Neelon B, Gibbons RD (2015). Likelihood-based Random Effect Meta-analysis of Binary Events. *Journal of Biopharmaceutical Statistics*, 25(5):984-1004. DOI: 10.1080/10543406.2014.920348

- Dew MA, DiMartini AF, DeVito Dabbs AJ, Zuckoff A, Tan HP, McNulty ML, Switzer GE, Fox KR, Greenhouse JB, Humar A (2013). Preventive intervention for living donor psychosocial outcomes: Feasibility and efficacy in a randomized controlled trial. *Am J Transplant*, 13(10):2672-2684. DOI: 10.1111/ajt.12393.
- Greenhouse JB (2012). On becoming a Bayesian: Early correspondences between J. Cornfield and L.J. Savage. *Statistics in Medicine*, 31(24):2782-2790. DOI: 10.1002/sim.5604.
- Bhaumik DK, Amatya A, Normand SL, Greenhouse J, Kaizar E, Neelon B, Gibbons RD (2012). Meta-Analysis of Rare Binary Adverse Event Data. *Journal of the American Statistical Association*, 107(498):55-567. DOI:10.1080/01621459.2012.664484
- Stein BD, Klein GR, Greenhouse JB, Kogan JN (2012). Treatment for Attention Deficit Hyperactivity Disorder in the Community: The First-Treatment Episode. *Psychiatric Services*, 63(2):122-129.
- Klein GR, Greenhouse JB, Stein BD, Seltman HJ (2011). Characterizing Patterns of Care Using Administrative Claims Data: ADHD Treatment in Children. *Health Services and Outcomes Research Methodology*, 113(3):115-133; DOI:10.1007/s10742-011-0076-4.
- Bridge JA, Greenhouse JB, Weldon AH, Fabio A, Campo JV, Kelleher KJ (2010). Changes in suicide rates by hanging/suffocation and firearms among young persons age 10 to 24 years in the United States: 1992-2006. *Journal of Adolescent Health*, 46:503-505.
- Rasmussen HN, Scheier MF, Greenhouse JB (2009). Optimism and Physical Health: A Meta-analytic Review. *Annals of Behavioral Medicine*, 37(3): 239-256.
- Scheier MF, Greenhouse JB, Rasmussen HN (2010). "Letter to the Editor: Reply to Roseman, Millette, Zhao, and Thombs" *Annals of Behavioral Medicine*, 39:207-209.
- Dew MA, Dabbs AD, Myaskovsky L, Shyu S, Shellmer, DA, DiMartini, AF, Steel J, Unruh M, Switzer GE, Shapiro R, Greenhouse JB (2009). Meta-Analysis of medical regimen adherence outcomes in pediatric solid organ transplantation. *Transplantation*, 88(5):736-746.
- Sherrill J, Sommers D, Nierenberg A, Leon A, Arndt S, Bandeen-Roche, Greenhouse J, Guthrie D, Normand S-L, Phillips K, Shear K, Woolson R (2009). Integrating Statistical and Clinical Research Elements in Intervention-Related Grant Applications: Summary from an NIMH Workshop. *Academic Psychiatry*, 33(3):221-228.
- Bridge JA, Greenhouse JB, Weldon AH, Campo JV, Kelleher KJ (2008). Suicide Trends Among Youths Aged 10-19 Years in the United States, 1996-2005. *Journal of the American Medical Association*, 300(9):1025-1026.
- Greenhouse JB, Kaizar EE, Kelleher K, Seltman H, Gardner W (2008). Generalizing from clinical trial data: A case study. The risk of suicidality among pediatric antidepressant users. *Statistics in Medicine*, 27(11):1801-1813.
- Lavori PW, Brown H, Duan N, Gibbons RD, Greenhouse J (2008). Missing data in longitudinal clinical trials Part A: Design and conceptual issues. *Psychiatric Annals*, 38(12): 784-792.

- Wymbs BT, Pelham WE, Molina BSG, Gnagy EM, Wilson T, Greenhouse JB (2008). Rate and Predictors of Divorce Among Parents of Youth with ADHD. *Journal of Consulting and Clinical Psychology*, 76(5):735-744.
- Dew MA, DiMartini A, Steel J, De Vito Dabbs A, Myaskovsky L, Unruh Mark, Greenhouse J (2008). Meta-analysis of risk for relapse to substance use after transplantation of the liver or other solid organs (with an Editorial). *Liver Transplantation*, 14(2):159-172.
- Dew MA, DiMartini AF, Dabbs A, Myaskovsky L, Unruh M, Switzer GE, Zomak R, Kormos RL, Greenhouse JB (2007). Rates and Risk Factors for Nonadherence to the Medical Regimen After Adult Solid Organ Transplantation. *Transplantation*, 83(7):858-873.
- Stevens J, Kelleher K, Greenhouse J, Chen G, Xiang H, Kaisar E, Jensen J, Arnold EL, (2007). Empirical evaluation of the generalizability of the sample from the Multimodal Treatment Study for ADHD. *Administration and Policy in Mental Health*, 34(3):221-232. DOI: 10.1007/s10488-006-0097-4.
- Kaizar, EE, Greenhouse JB, Seltman H, Kelleher K (2006). Do antidepressants cause suicidality in children? A Bayesian meta-analysis (with discussion). *Clinical Trials: Journal of the Society for Clinical Trials*, 3(2):73-98. DOI:10.1191/1740774506cn139oa.
- Kaizar E, Chisolm D, Seltman H, Greenhouse J, Kelleher K (2006). The role of location of care in diagnosis and treatment of pediatric psychosocial conditions. *Journal of Developmental and Behavioral Pediatrics*, 27(3):219-225.
- Greenhouse JB and Seltman H (2005). Using Prior Distributions to Synthesize Historical Evidence: Comments on the Goodman-Sladky Case Study of IVIg in Guillan-Barré Syndrome. *Clinical Trials: Journal of the Society for Clinical Trials*, 2:311-318.
- Lieberman JA, Greenhouse JB, Hamer R, Krishnan KR, Nemeroff CB, Sheehan DV, Thase ME, Keller MB. (2005). Comparing the effects of antidepressants: Consensus guidelines for evaluating quantitative reviews of antidepressant efficacy. *Neuropsychopharmacology*, 30:445-460.
- Gildengers, A.G., Houck, P.R., Mulsant, B.H., Dew, M.A., Aizenstein, H.J., Jones, B.L., Greenhouse, J.B., Pollock, B.G., Reynolds, C.F. (2005) Trajectories of Treatment Response in Late-Life Depression: Psychosocial and Clinical Correlates. *Journal of Clinical Psychopharmacology*, 25:S8-S12.
- Greenhouse, J.B. (2003). Introduction to two talks by S.W. Greenhouse, *Statistics in Medicine*, 22:3309-3310.
- Erosheva, E.A., Kroboth, P.D., Greenhouse, J.B. (2002). Characterizing the Diurnal Rhythm of DHEA, *American Statistician*, 56:273-283.
- Pelham WE, Hoza B, Pillow DR, Gnagy EM, Kipp HI, Greiner AR, Waschbusch DA, Trane ST, Greenhouse JB, Wolfson L, Fitzpatrick E. Effects of methylphenidate and expectancy on children with ADHD: Behavior, academic performance, and attributions in a summer treatment program and regular classroom settings, *Journal of Consulting and Clinical Psychology*, 2002, 70:320-335.

- Seltman, H., Greenhouse, J. and Wasserman, L. Bayesian model selection: Analysis of a survival model with a surviving fraction, *Statistics in Medicine*, 2001, 20:1681-1691.
- Lovett, M., and Greenhouse J. (2000) Applying cognitive theory to statistics instruction, *American Statistician*, 54:196-206.
- Stangl, D. and Greenhouse, J. (1998). Assessing placebo response using Bayesian hierarchical survival models, *Lifetime Data Analysis*, 4:5-28.
- Lynch, K.; Greenhouse, J.; Brandstrom, A. "Biometric modeling in the study of infant mortality: Evidence from nineteenth-century Sweden," *Historical Methods: A Journal of Quantitative and Interdisciplinary History*, 1998, 31:53-64.
- Thase, M.E.; Greenhouse, J.; Frank, E.; Reynolds, C.; Pilkonis, P.; Hurley, K.; Grochocinski, V. and Kupfer, D.J. "Treatment of major depression with psychotherapy or psychotherapy-pharmacotherapy combinations," *Archives of General Psychiatry*, 1997, 54:1009-1015.
- Greenhouse, J. B. and Silliman, N. P. "Applications of a mixture survival model with covariates to the analysis of a depression prevention trial," *Statistics in Medicine*, 1996, 15:2077-2094.
- Greenhouse, J. and Wasserman, L. "A practical, robust method for Bayesian model selection: A case study in the analysis of clinical trials," *Bayesian Robustness: Proceedings of the Workshop on Bayesian Robustness*. J.O. Berger, B. Betto, E. Moreno, et al. (editors). 1996, IMS Lecture Notes - Monograph Series, Volume 29. Institute of Mathematical Statistics.
- Pauler, D.K.; Escobar, M.D.; Sweeney, J.A.; and Greenhouse, J. "Mixture models for eye-tracking data: A case study," *Statistics in Medicine*, 1996, 15:1365-1376.
- Needleman, H.L.; Riess, J.A.; Tobin, M.J.; Biesecker, G.E.; and Greenhouse, J.B. "Bone lead levels and delinquent behavior (with editorial)" *J. of the American Medical Association*, February 7, 1996, 275:363-369.
- NIH Technology Assessment Panel on Gaucher Disease: Current Issues in Diagnosis and Treatment. "Gaucher Disease: Current Issues in Diagnosis and Treatment". *Journal of the American Medical Association*, February 21, 1996, 275:548-553.
- Greenhouse, J. and Wasserman, L. "Robust Bayesian analysis of clinical trials," *Statistics in Medicine*, 1995, 14:1379-1391.
- Greenhouse, J.; Bromberg, J. and Fromm, D. "An introduction to logistic regression with an application to the analysis of language recovery following a stroke," *Journal of Communication Disorders*, 1995, 28:229-246.
- Kamlet, M.S.; Paul, N; Greenhouse, J.B.; Kupfer, D.J.; Frank, E.; and Wade, M. "Cost-utility analysis of maintenance treatment for recurrent depression," *Controlled Clinical Trials: Design, Methods, and Analysis*, 1995, 16:17-40.
- Lynch K. and Greenhouse, J. "Risk Factors for Infant Mortality in Nineteenth-Century Sweden," *Population Studies*, 1994, 48:117-133.

- Gibbons, R.; Hedeker, D.; Elkin, I.; Waternaux, C.; Kraemer, H.; Greenhouse, J.; Shea, T.; Imber, S.; Sotsky, S.; Watkins, J. "Some conceptual and statistical issues in analysis of longitudinal psychiatric data," *Archives of General Psychiatry*, 1993, 50:739-750.
- Trzepacz, P.T.; Weniger, F.C.; Greenhouse, J. "Etomidate anesthesia increases seizure duration during ECT: A Retrospective Study," *General Hospital Psychiatry*, 1993, 15:115-120.
- Greenhouse, J. and Junker, B. "Exploratory statistical methods with applications in psychiatric research," *Psychoneuroendocrinology*, 1992, 17:423-441 (refereed revision of Greenhouse and Junker (1992) "Basic statistical principles")
- Gatsonis, C. and Greenhouse, J. "Bayesian methods for phase I clinical trials," *Statistics in Medicine*, 1992, 11:1377-1389.
- Turner, S.M.; Beidel, D.C.; Long, P.J.; Greenhouse, J. "Reduction of fear in social phobics: Examination of the extinction patterns," *Behavioral Therapy*, 1992, 23:389-403.
- Greenhouse, J. "On some applications of Bayesian methods in cancer clinical trials," *Statistics in Medicine*, 1992, 11:37-53.
- Greenhouse, J. and Meyer, M. "A note on randomization and selection bias in maintenance therapy clinical trials," *Psychopharmacology Bulletin*, 1991, 27:225-229.
- Greenhouse, J.; Stangl, D; Kupfer, D; and Prien, R. "Methodological issues in maintenance therapy clinical trials," *Archives of General Psychiatry*, 1991, 48:313-318.
- Buysee, D.; Jarrett, D.; Miewald, J.; Kupfer, D.; and Greenhouse, J. "Minute-by minute analysis of REM sleep timing in major depression," *Biological Psychiatry*, 1990, 28:911-925.
- Jarrett, D; Greenhouse, J; Miewald, B; Fedorka, I; Kupfer D. "A Re-Examination of the Relationship between Growth Hormone Secretion and Slow Wave Sleep," *Biological Psychiatry*, 1990, 27:497-509.
- Trzepacz, P; Klein, I; Roberts, M; Greenhouse, J; and Levey, G. "Graves' Disease: An analysis of thyroid hormone levels and hyperthyroid signs and symptoms," *The American Journal of Medicine*, 1989, 87:558-561.
- Greenhouse, J; Stangl, D; Bromberg, J. "An introduction to survival analysis: Statistical methods for the analysis of clinical trial data," *Journal of Consulting and Clinical Psychology*, 1989, 57:536-544.
- Holland, A; Greenhouse, J; Fromm, D; Swindell, C. "Predictors of Language Restitution Following Stroke: A Multivariate Analysis," *Journal of Speech and Hearing Research*, 1989, 32, 232-238.
- Iyengar, S and Greenhouse, J. "Selection Models and The File-Drawer Problem (with discussion)", *Statistical Science*, 1988, 3, 109-135.
- Fuchs, C and Greenhouse, J. "The EM Algorithm for Maximum Likelihood Estimation in the Mover-Stayer Model," *Biometrics*, 1988, 2, 605-613.
- Greenhouse, J. and Greenhouse, SW. "An Aspirin a Day ...?," *Chance: New Directions for Statistics and Computing*, 1:4, Fall, 1988.

- Trzepacz, P; McCue, M; Klein, I; Greenhouse, J; Levey, G. "Psychiatric and Neuropsychological Response to Propranolol in Graves' Disease," *Biological Psychiatry*, 1988, 23, 678-688.
- Trzepacz, P; Baker, B.; Greenhouse, J. "A Symptom Rating Scale for Delirium," *Psychiatric Research*, 1988, 23, 89-97.
- Trzepacz, P; McCue, M; Klein, I; Levey, G; Greenhouse, J. "A Psychiatric and Neuropsychological Study of Patients with Untreated Graves' Disease," *General Hospital Psychiatry*, 1988, 10, 49-55.
- Kraemer, H; Pruyn, J; Gibbons, R; Greenhouse, J; Grochocinski, V; Waternaux, C; Kupfer, D. "Methodology in Psychiatric Research: Report on the 1986 MacArthur Foundation Network I Methodology Institute," *Archives of General Psychiatry*, 1987, 44, 1100-1106.
- Swindel, C.; Holland, A.; Fromm, D.; Greenhouse, J. "Characteristics of Recovery of Drawing Disability in Right and Left Brain Damaged Patients," *Brain and Cognition*, 1988, 7, 16-30.
- Greenhouse, J; Kupfer, D; Frank, E; Jarrett, D; Rejman, K. "Analysis of Time to Stabilization in the Treatment of Depression: Biological and Clinical Correlates," *Journal of Affective Disorders*, 1987, 13, 259-266.
- Jarrett, D; Miewald, J; Fedorka, I; Coble, P; Kupfer, D; Greenhouse, J. "Prolactin secretion during sleep: A comparison between depressed patients and healthy control subjects," *Biological Psychiatry*, 1987, 22:1216-1226.
- Greenhouse, J; Kass, R; Tsay, R. "Fitting Nonlinear Models with ARMA Errors to Biological Rhythm Data," *Statistics in Medicine*, 1987, 6:2, 167-183.
- Dew, MA, Bromet EJ, Brent D, Greenhouse JB (1987). A quantitative literature review of the effectiveness of suicide prevention centers. *J of Consulting and Clinical Psychology*, 55(2), 239-244.
- Fromm, D; Greenhouse, J; Holland, A; Swindell, C. "An Application of Exploratory Statistical Methods to Language Pathology: Analysis of the Western Aphasia Battery's Cortical Quotient in Acute Stroke Patients", *J. Speech and Hearing Research*, 1986, 29:1, 135-142.
- Chen, W; Hill, B; Greenhouse, J; Fayos, J. "Bayesian Analysis of Survival Curves for Cancer Patients Following Treatment," *Bayesian Statistics 2: Proceedings of the 2nd Valencia International Meeting*, eds. J. M. Bernardo et al., 1985, North-Holland.
- Greenhouse, J and Wolfe, R. "A Competing Risk Derivation of a Mixture Model for the Analysis of Survival Data," *Communications in Statistics: Theory and Methods*, 1984, 13:25, 3133-3154.
- Jarrett, D; Greenhouse, J; Thompson, S; McEachran, A; Coble, P; Kupfer, D. "Effect of Nocturnal Intravenous Cannulation upon Sleep-EEG Measures," *Biological Psychiatry*, 1984, 19:11, 1537-1550.
- Flinn, C; Wolfe, G; Macdonald, D; Campbell, R; Borkat, G; Casta, A; Hordof, A; Hougen, T; Kavey, R; Kugler, J; Liebman, J; Greenhouse, J; Hees, P. "Supraventricular Rhythms Following the Mustard Operation for Complete Transposition of the Great Arteries: A Retrospective Multicenter Study," June 21, 1984, *New England Journal of Medicine*, 310(25):1635-1638.
DOI: 10.1056/NEJM198406213102504

Carter, W; Brady, TM; Keyes, J; Thrall, J; Greenhouse, J; Biello, D; Siegel, B; Alderson, P; Brady, TJ. "Relative Accuracy of Two Diagnostic Schemes for Detection of Pulmonary Embolism by Ventilation-Perfusion Scintigraphy," *Radiology*, 1982, 145:2, 447-51.

Nicholls, M; Kiowski, W; Zweifler, A; Julius, S; Schork, M; Greenhouse, J. "Plasma Norepinephrine Variations with Dietary Sodium Intake," *Hypertension*, 1980, 2:1, 29-32.

Finnerty, F; Greenhouse, J; Shaw, L. "Comparison of Blood Pressures Recorded by Automatic Machine and by Mercury Sphygmomanometer," *Cardiovascular Medicine*, 1980, 4:10, 1049-1058.

Schork, M; Greenhouse, J; Williams, G. "Normality and Other Statistical Considerations as They Relate to Selected Quantitative Measures in the CAP Survey," *American Journal of Clinical Pathology: Supplement*, 1977, 68:1, 112-116.

Book Reviews and Other Publications

Greenhouse JB and Kennedy EH (2018). Review of Observation and Experiment: An Introduction to Causal Inference by Paul Rosenbaum. *Psychometrika*, 83(4): 1007-1010.
DOI: 10.1007/s11336-018-9632-y

Book Review: Assessing Evaluation Studies: The Case of Bilingual Education Strategies, ed. M. Meyer and S. Fienberg, *Chance: New Directions for Statistics and Computing*, 6:4, Fall, 1993.

Book Review: Encyclopedia of Statistical Sciences (9 vols.), Samuel Kotz and Norman Johnson (eds-in-chief), *J. American Statistical Association*, 1989, 84, 830-834 (a joint review by the editorial board, with J. Tanur, G. Casella, R. Dykstra, et al.).

Book Review: Biostatistics: A Foundation for Analysis in the Health Sciences by W. Daniel, *J. American Statistical Association*, 1988, 83, 277-278.

Kass, R and Greenhouse, J. "Statistical Models for Biological Rhythm Data," *Accent on Research*, 1987, 4, December, 1987, Carnegie Mellon University.

Unpublished Technical Report

Greenhouse J, Kass R, Lam T, and Tsay T. "A hierarchical model for serially correlated data: Analysis of biological rhythm data."

SELECTED RESEARCH SUPPORT

Data Integration, and Prediction of Patient Safety and Efficacy using Advanced Analytical Methods, Novartis, PI: Joel Greenhouse, 2019-Present.

Approaches and Decisions in Acute Pediatric TBI Trial, NIH, PI: Michael Bell, 2013-2018.

Optimism, Pessimism, and Physical Well-Being: A Meta-Analytic Review, PI: Michael Scheier.

Cross-Design Synthesis: Combining Evidence about Antidepressants and Suicidality, NIMH, Co-PIs: Kelly Kelleher, Joel Greenhouse. 2006-2012.

Bayesian Methods for Combining Evidence about Treatments, NIMH, PI: Joel Greenhouse, Co-PIs: Kelly Kelleher, Sarah Scholle, Howard Seltman. 2002-2006.

Bayesian Methods in Biostatistics. National Cancer Institute, with R. Kass, K. Roeder, L. Wasserman, 1994-2003.

Summer Undergraduate Internship Program for Underrepresented Minorities. Eli Lilly Foundation. PI: Joel Greenhouse, 2003-2004.

LIS: A Next Generation Intelligent Learning Environment for Statistical Reasoning. NSF, with M. Lovett (PI), R. Kass, B. Junker, K. Koedinger. 1998-2003.

Mental Health Intervention Research Center for Affective Disorders - Methodology Core. National Institute of Mental Health, (PI: David Kupfer, WPIC), 2000-present.

Using an Automated, Intelligent Tutoring System to Redesign the Course - Introduction to Statistical Reasoning, PEW Grant Program in Course Redesign, with M. Lovett, J. Smith. 2000-2004.

Dynamic Scaffolding to Improve Learning and Transfer of Hidden Skills, NSF Research on Learning and Education (ROLE). M. Lovett (PI), J. Greenhouse, B. Junker, R. Kass, K. Koedinger. 2000-2004.

Center for Mind/Body Interactions and Health: Understanding Shared Psychobiological Pathways. National Heart, Lung and Blood Institute, (PI: Karen Matthews, University of Pittsburgh), 1999-present.

A Maintenance Therapy Clinical Trial for Bipolar Disorder. National Institute of Mental health, (PI: Ellen Frank, WPIC) 1991-2004.

Training Program in Psychiatric Statistics. National Institute of Mental Health, 1989-1997.

Demographic Change in Nineteenth-Century Sweden: Research and Education Using the Demographic Data Base at the University of Umea. National Science Foundation, with Katherine Lynch, 1989-1993.

Reanalysis of the NIMH Maintenance Therapies Clinical Trial for the Prevention of Recurrent Depression. John D. and Catherine T. MacArthur Foundation, 1987-1991.

EDITORIAL ACTIVITY

Statistics in Medicine

- Editor-in-Chief (one of four), 2002-2022
- Deputy Editor, 1994-2001
- Editorial Board, 1991-1994

Statistics, Politics, and Policy

- Associate Editor, 2010-2012

IMS Lecture Notes-Monograph Series, Institute of Mathematical Statistics

- Editor, 1999-2003

Journal of the American Statistical Association

- Associate Editor: Book Reviews, 1987-1993

American Journal of Psychiatry

- Statistical Reviewer, 1987-1996

Referee for Statistical Journals:

- *American Statistician, Annals of Statistics, Biometrics, Biometrika, Communications in Statistics, Controlled Clinical Trials, J. of the American Statistical Association, J. of Business and Economic Statistics, J. of Educational and Behavioral Statistics, J. of Statistical Planning and Inference, International Statistical Review, Psychometrika, Statistics in Medicine, Statistical Science.*

Referee for Non-Statistical Journals:

- *American Journal of Psychiatry, American Psychologist, Archives of General Psychiatry, Behavioral Assessment, Biological Psychiatry, J. of Affective Disorders, J. of Consulting and Clinical Psychology, J. National Cancer Institute, J. of Psychotherapy Research, PNAS, Psychological Bulletin, Psychological Methods, Psychoneuroendocrinology, Research in Collegiate Math Education, Science.*

RESEARCH SUPERVISION

Ph.D. - Statistics (Chair):

Alex Reinhart (2018), *Point process modeling with spatiotemporal covariates for predicting crime*

Nathan VanHoudnos (2014; IES 2014 Outstanding Predoctoral Fellow Award), *The Efficacy of the Hedges Correction for Unmodeled Clustering, and Its Generalizations in Practical Settings*

Abby Flynt (2012, co-chair), *Clustering Trajectories in the Presence of Informative Monotone Missingness*

Eloise Kaizar (2006, co-chair), *Combining Information from Diverse Sources*

Iuliana Ianus (2001, co-chair), *Approximate Robust Bayesian Inference with Applications to Sample Size Calculation*

Howard Seltman (1999), *Hidden Stochastic Models for Biological Rhythm Data*

Dalene Stangl (1991), *Modeling Heterogeneity in Multi-center Clinical Trials Using Bayesian Hierarchical Models*

Thesis Committees: Jana Asher (2016); Cong Lu (2016); Gary Klein (2011); Marnie Bertolet (2008); Lynne Steurle Schofield (2008); Amelia Haviland (2003); Sam Behseta (2003); Bobby Jones (2001); Alix Gitelman (1999); Ken Shirakawa (1997); Chuhsing (Kate) Hsiao (1994); YuChiao Chang (1993); Giovanni Parmigiani (1990); Rong Chen (1990); Sybil Crawford (1988); Duane Steffey (1988); Dean Follman (1985)

Data Analysis Projects: Gabrielle Thivierge (2022), Akshay Prasad (2021); Robin Dunn (2017); Stefa Beatriz Etchegaray (2010); Gabrielle Fijas (2009); Gary Klein (2008); Marni Bertolet (2002); Elena Erosheva (1999); Iuliana Ianus (1999); Mario Trottoni (1999); Howard Seltman (1997); Feng Tang (1996); Paul Gustafson (1993); Lisa Veltri (1993); Nancy Paul (1992); Ron Chen (1988); Teresa Lam (1985-1987); Mary Santi (1986)

Ph.D. - Other:

Thesis Committees: Vasikan Vijayashanthar (CEE, CMU, 2023); Myung Soon Song (Statistics, Pitt, 2011); Maria Mor (Biostatistics, Pitt, 2003); Linda Hogan (Library and Information Systems, Pitt, 2001); Ron Tringali (Epidemiology, Pitt, 2001); Cynthia Larkby (Epidemiology, Pitt, 1998); Amelia Arria (Epidemiology, Pitt, 1993); Norman Link (Biomedical Engineering, CMU, 1987); Geri Walsh-Allis (Epidemiology, Pitt, 1987); Lili Penkower (Epidemiology, Pitt, 1986); Paul Visintainer (Epidemiology, Pitt, 1985)

Undergraduate:

H&SS Honor's Thesis: Emily L. Butler (Major: Statistics, 2011); Cari Kaufman (Major: Psychology, 2001. Recipient of the Stat Dept undergraduate research prize); Phoebe Papageorgiou (Major: Statistics, 1998); David Miller (Major: Statistics, 1988. Recipient of the 1988 Edith Winchester Alexander Award for best honors thesis)

Other Research Projects: Stephanie Wu (Major: Mathematical Sciences, 2003); Erika Douglas (Major: Statistics, 2003); Russell Steele (Major: Statistics, 1997); Kary Myers (Major: Statistics, 1995-1996. 1996 Sigma Xi Honorable Mention); Leslie Zubaty (Major: English/German, 1993-94); Erin Fitzpatrick (Major: Psychology, 1991-1992); Luisa Pessoa-Brandao and Carolyn Lowe (Major: Applied Math, 1992); Christian Winkler (Major: Economics, 1991);

Organizer: Invited Sessions and Conferences

The Emergence of Biostatistics in the mid-20th Century, ENAR, March 2023

Symposium in Memory of Wen-Chen Chen, Taiwan, July 2021.

Statistics Workshop on the Analysis of Multilevel & Longitudinal Data, Pittsburgh-Mind Body Center, Pittsburgh, December 2007.

Organizing Committee: *Perspectives on the Biostatistical Sciences: A Symposium in Memory of Samuel W. Greenhouse*, NIH, June 2001.

Session: *Hidden Markov Models with Biomedical Applications*. Institute of Mathematical Statistics Spring Meeting (with ENAR), March 2001, Charlotte, NC.

Session: *Golden Oldies: The State of Biometry in the 1940's and 1950's* for the 50th anniversary of ENAR, March 1998, Pittsburgh, PA.

Program Committee: *Statistics in the Health Sciences*. 1997 Institute for Mathematics and Its Applications Summer Program, Minneapolis.

Program Committee: *1997 Meeting of the Society for Clinical Trials*, Boston, July 1997.

Program Chair: *1996 International Biometric Society (ENAR) Spring Meeting*. March 17-20, 1996, Richmond, VA.

Session: *Session in Honor of the 75th Birthday of Samuel W. Greenhouse* for the annual ASA meetings, August, 1993, San Francisco.

Workshop: *Advances in the Analysis of Longitudinal Data: Case Studies and Issues in the Analysis of Clinical Trials*, for the NIMH-NCDEU 1992 meetings, May, 1992, Boca Raton, FL.

Session: *Morris H. DeGroot: Statistical Scientist* for the annual ASA meetings, August, 1991, Atlanta, GA.

Conference: *Design Issues for Long Term Clinical Trials for Depression* for the MacArthur Foundation Mental Health Research Network I: Psychobiology of Depression and Other Affective Disorders, April, 1991, Washington, D.C.

SELECTED INVITED PRESENTATIONS

Presidential Invited Address, International Biometric Society, Eastern North American Region (ENAR), March 2022.

Department of Epidemiology, U of Pittsburgh, 40th Anniversary of the Epid Data Center, February 2022.

Department of Biostatistics, Epidemiology and Occupational Health, McGill University, October 2020.

Department of Biostatistics, University of Michigan, September 22-23, 2016.

National Institute of Allergy and Infectious Disease, NIH, October 2015.

RAND, Santa Monica: February, 1993. Pittsburgh: March, 2007, June, 2015.

American Statistical Association: Denver, 2019; Vancouver, 2018; Seattle, 2015; Washington DC, 2009; New York, 2002; Chicago, 1996; Orlando, 1995; San Francisco, 1993; Toronto, 1983.

Institute of Medicine:

- Workshop on Uncertainty in Benefit and Risk Assessments of Pharmaceuticals, Feb 2014
- Workshop on Observational Studies, April 2013
- Neuroscience Forum, Washington, D.C., June 2009

The International Society for CNS Clinical Trials and Methodology, Florida, October, 2011.

Center for Clinical & Translational Science, Ohio State University: May, 2011.

Atlantic Causal Modeling Conference, New York, June 2010.

National Academy of Sciences' Committee on Social Science Evidence for Use, Irvine California, October, 2008.

Harvard Clinical Research Institute, Harvard University, Boston, June, 2007.

Workshop on Clinical Trials in Psychopharmacology, NY, April 2002.

Department of Biostatistics, University of Pittsburgh: February 2002; November 2016

NIMH/Society for Biological Psychiatry Conference on Bi-Polar Disorder, Phoenix, January 2000.

Institute of Medicine Workshop on Children and Domestic Abuse, Washington DC, April 2000.

Joint Department of Statistics and Epidemiology Seminar, Harvard University, December 1999 (with S.W. Greenhouse).

Harvard University/Schering Plough Research Institute on Biostatistics, June 1999.

Mental Health and Aging: Intervention Effectiveness Conference, NIMH, Washington D.C., June 1999.

ASA Philadelphia Chapter, Keynote speaker, June 1998

Eli Lilly & Co., January, 1998

CMU Winter 1998 Orientation Program, Keynote Address, January 1998

International Society for Research in Child and Adolescent Psychopathology, Paris, France, June, 1997

Society for Clinical Trials, Pittsburgh, May, 1996

Center for Innovations in Learning, CMU, November, 1995

Second International Workshop on Robust Bayesian Methods, Rimini, Italy, May 23-25, 1995

Division of Biostatistics, Memorial Sloan-Kettering, NY, January, 1995

Department of Biostatistics, Harvard University, April, 1992

National Institute on Drug Abuse, Bethesda, MD, December, 1991

NIH Consensus Development Conference on the Diagnosis and Treatment of Depression in Late Life, Bethesda, MD, November, 1991

International Institute for Theoretical Cardiology, London, England, September, 1991

American College of Neuropsychopharmacology, San Juan, Puerto Rico, December, 1990.

Institute of Mathematical Statistics, University of Umea, Umea, Sweden, August, 1990.

NIMH Workshop on the Treatment of Adult Victims of Childhood Sexual Abuse, March, 1990, Chevy Chase, MD

Dipartimento di Statistica, Universita di Roma "La Sapienza", January, 1989.

UNIVERSITY/COLLEGE/DEPARTMENT ACTIVITIES

Department

DeGroot Memorial Lecture Committee, 1989-

Fienberg Memorial Lecture Committee, 2018-

Faculty Search Committee (Chair). 2016-2017, 2017-2018

50th Anniversary Celebration Committee, Chair. 2016-2017

Undergraduate Academic Coordinator, 1985-1997.

Undergraduate Curriculum Committee, 1988-2016.

Graduate Admissions Committee, 1985-1990.

College

IS Ad Hoc P&T Committee (Chair) 2007, 2008, 2013.

Faculty Chair, College of Humanities and Social Sciences, 2006-2007.

Science and Humanities Scholars' (SHS) Faculty Advisor Committee 2000-2006

Search Committee (co-chair), Director of the Science and Humanities Scholars (SHS) 2004-5

Information Systems, Promotion and Tenure Committee (chair), 2002-2003

College of Humanities & Social Sciences, Mathematics, Science and Technology Curriculum Review Committee, 1992-1993

College of Humanities & Social Sciences, Core Curriculum Review Committee, 1991-1992, 2005

Elliot Dunlop Smith Teaching Award Nomination Committee, 1988-1991.

University

Affirmative Action Steering Committee, 2019-Present.

Othot Steering Committee, 2019-Present.

Risk Management Working Group, 2017-Present.

Academic Matters Subcommittee (COVID), 2020-2022.

Task Force on the CMU Experience: Academic Policies and Procedures, 2016-2018

Middle States Accreditation Committee: Pillar 3, 2016-2018

CMU Faculty Senate: Vice-Chair: 2015-16; Faculty Review: 2006-10, Faculty Affairs: 2017-2019

Task Force for Muslim-Jewish Campus Life Steering Committee, 2012-2013

University Honary Degree Committee, 2006-2007

University First-Year Council, Vice-chair, 1996-2002

On-Line Registration Policy Review Committee, 1998-1999

Committee to Examine Student Performance in Calculus, 1994-1995

Heinz School - Healthcare Systems Management Search Committee, 1993-1995

Faculty Development Awards Committee, 1988-1990.

Ryan Teaching Award Nomination Committee, 1988-1992.