CURRICULUM VITAE

Name: John E. Kolassa

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Bernardsville, NJ 07924

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Office Address: Department of Statistics
501 Hill Center
Rutgers University
Piscataway, NJ

EDUCATION:

University of Chicago	Statistics.	Ph.D.	1989
Cambridge University	Mathematics	Certificate	1986
University of Chicago	Mathematics	B.S.	1984

EMPLOYMENT:

09/2024 - Present:	Program Director, Statistics Program, National Science Foundation
07/2022 - Present:	Distinguished Professor, Department of Statistics, Rutgers University
07/2004 - 06/2022:	Professor, Department of Statistics, Rutgers University
01/2000 - 06/2004:	Associate Professor, Department of Statistics, Rutgers University
07/1998 - 12/1999:	Associate Professor, Department of Biostatistics, University of Rochester
07/1992 - 06/1998:	Assistant Professor, Department of Biostatistics, University of Rochester
07/1995 - 06/1996:	Visiting Assistant Professor, Department of Statistics, Northwestern University
07/1991 - 06/1992:	Post-doctoral Fellow, Department of Biostatistics, University of Rochester
09/1989 - 06/1991:	Post-doctoral Fellow, Mathematical Sciences Department, T.J. Watson Research Center, IBM Corp., Yorktown Heights, NY

AWARDS:

School of Graduate Studies Gonfalonier	Rutgers, the State University of New Jersey	2024
Elected Fellow	Institute for Mathematical Statistics	2009 -
Elected Fellow	American Statistical Association	2005 -
Elected Fellow	International Statistical Institute	2005 -
National Science Foundation Fellow	University of Chicago	1986 – 1988
Hertz Foundation Research Grantee	University of Chicago	1988
Winston Churchill Scholar	Churchill College, Cambridge	1985

Phi Beta Kappa, National Merit Scholar, University of Chicago Student Marshal.

RESEARCH GRANTS:

Agency:	National Institutes of Health
Award Duration:	1994 – 1999
Amount:	294,367
Title:	Small Sample Biostatistical Inference

Agency:	National Institutes of Health
Award Duration:	2001 – 2004
Amount:	298,000
Title:	Small Sample Biostatistical Inference
Agency:	National Science Foundation
Award Duration:	2001 – 2004
Amount:	125,000
Title:	Mathematical Methods for Small Sample Biostatistical Inference
Agency:	National Science Foundation
Award Duration:	2005 – 2007
Amount:	125,000
Title:	Mathematical Methods for Small Sample Biostatistical Inference
Agency:	National Science Foundation
Award Duration:	2009 – 2012
Amount:	122,630
Title:	Mathematical Methods for Approximately Exact Statistical Inference
Agency:	National Science Foundation
Award Duration:	2017 – 2021 (final year is in no-cost extension)
Amount:	284,794
Title:	Collaborative Research: Higher-Order Asymptotics for Post-Selection Inference

PROFESSIONAL ACTIVITIES:

Editor, *Stat*, 2011 -Present. Journal began June 2012.

Associate Editor, *Journal of Biopharmaceutical Statistics*, 2020 -Present.

Associate Editor, *Journal of the American Statistical Association*, 1999 – 2005 and 2017 – 2019.

Editor, Special Issues or Sections, *Statistical Methods in Biopharmaceutical Research*, 2018, 2020, 2022, 2024.

Member, Institute of Mathematical Statistics (Elected fellow, 2009), International Statistical Institute (Elected member, 2005), Elected fellow of the American Statistical Association (Elected 2005), and Statistical Society of Canada. General Methodology Co-Chair, JSM 2005 Program Committee. Panelist, National Science Foundation Grant Review Process, 2008, 2014, 2017, 2019, 2022, 2023. Panelist, National Institutes of Health Grant Review Process, 2009 – 2013, 2015 – 2018. Panelist, National Science and Engineering Research Council of Canada Discovery Grant Review Process, 2013 – 2016 (3 Academic years). Panelist, National GEM Consortium Fellowship Competition, 2014. Member, Pediatric and Small Population Drug Development Subteam, 2017 – 2020.

PUBLICATIONS:

Thesis and Books:

1. Kolassa, J.E. (1989), *Topics in Series Approximations to Distribution Functions*, Chicago: Unpublished dissertation.
2. Kolassa, J.E. (1994), *Series Approximation Methods in Statistics*, New York: Springer – Verlag.
3. Kolassa, J.E. (1997), *Series Approximation Methods in Statistics, 2nd Edn.*, New York: Springer – Verlag.

4. Kolassa, J.E. (2003), *Crossing Boundaries: Statistical Essays in Honor of Jack Hall*, Hayward, CA: Institute of Mathematical Statistics, 139 – 148.
5. Kolassa, J.E. (2006), *Series Approximation Methods in Statistics, 3rd Edn.*, New York: Springer – Verlag.
6. Kolassa, J.E. (2020), *An Introduction to Nonparametric Statistics*, New York: Taylor and Francis.

Papers in Peer–Reviewed Journals and Proceedings Volumes:

7. Kolassa, J.E., and McCullagh, P. (1990), "Edgeworth Series for Lattice Distributions," *Annals of Statistics*, **18**, 981 – 985.
8. Kolassa, J.E. (1991), "Saddlepoint Approximations in the Case of Intractable Cumulant Generating Functions," *Selected Proceedings of the Sheffield Symposium on Applied Probability* (ed. Basawa, I.V. and Taylor, R.E.), Hayward, CA: Institute of Mathematical Statistics, 236 – 255.
9. Handcock, M.S., and Kolassa, J.E. (1992), "Statistical Review of the Henhouse experiments: The Effects of a Pulsed Magnetic Field on Chick Embryos," *Bioelectromagnetics*, **13**, 429 – 433.
10. Kolassa, J.E. (1992), "Confidence Intervals for Thermodynamic Constants," *Geochimica et Cosmochimica Acta*, **55**, 3543 – 3552.
11. Kolassa, J.E., and Tanner, M.A. (1993), "Discussion on the Meeting on the Gibbs Sampler and other Markov Chain Monte Carlo Methods," *Journal of the Royal Statistical Society Series B*, **55**, 78.
12. Kolassa, J.E., and Tanner, M.A. (1994), "Approximate Conditional Inference in Exponential Families Via the Gibbs Sampler," *Journal of the American Statistical Association*, **89**, 697 – 702.
13. Tariot, P.N., Erb, R., Leibovici, A., Podgorski, C.A., Cox, C., Asnis, J., Irvine, C., and Kolassa, J.E. (1994), "Carbamazepine Treatment of Agitation in Nursing Home Patients with Dementia: A Preliminary Study," *Journal of the American Geriatrics Society*, **42**, 1160 – 1166.
14. Falsey, A.R., McCann, R.M., Hall, W.J., Tanner, M.A., Criddle, M.M., Formica, M.A., Treanor, J.J., Irvine, C., and Kolassa, J.E. (1995), "Acute Respiratory Tract Infection in Daycare Centers for the Older Persons," *Journal of the American Geriatrics Society*, **43**, 30 – 36.
15. Kolassa, J.E. (1995), "A Comparison of Size and Power Calculations for the Wilcoxon Statistic for Ordered Categorical Data," *Statistics in Medicine*, **14**, 1577 – 1581.
16. Kolassa, J.E. (1995), "Edgeworth Approximations for Rank Sum Test Statistics," *Statistics and Probability Letters*, **24**, 169 – 171.
17. Kolassa, J.E. (1996), "Higher-Order Approximations to Conditional Distribution Functions," *Annals of Statistics*, **24**, 353 – 365.
18. Falsey, A.R., McCann, R.M., Hall, W.J., Criddle, M.M., Formica, M.A., Wycoff, D., and Kolassa, J.E. (1997), "The Common Cold in Frail Older Persons: Impact of Rhinovirus and Coronavirus in a Senior Daycare Center," *Journal of the American Geriatrics Society*, **45**, 706 – 711.
19. Katz, P.R., Karuza, J., Kolassa, J.E., and Hutson, A. (1997), "Medical Practice with Nursing Home Residents: Results from the National Physician Activities Census," *Journal of the American Geriatrics Society*, **45**, 911 – 917.

20. Kolassa, J.E. (1997), "Infinite Parameter Estimates in Logistic Regression, with Application to Approximate Conditional Inference," *Scandinavian Journal of Statistics*, **24**, 523 – 530.
21. Wahlberg, K.-E., Wynne, L.C., Oja, H., Keskitalo, P., Pykäläinen, L., Lahti, I., Moring, J., Naarala, M., Sorri, A., Markku Seitamaa, M., Läksy, K., Kolassa, J., and Tienari, P. (1997), "Gene–Environment Interaction in Vulnerability to Schizophrenia: Findings from the Finish Adoptive Family Study," *American Journal of Psychiatry*, **154**, 355 – 62.
22. Kolassa, J.E. (1998), "Uniformity of Double Saddlepoint Conditional Probability Approximations," *Journal of Multivariate Analysis*, **64**, 66 – 85.
23. Wood, J.P., Kolassa, J.E., and McBride, J.T. (1998), "Changes in Alveolar Septal Border Lengths with Postnatal Lung Growth," *American Journal of Physiology*, **275**, 1157 – 1163.
24. Falsey, A., Criddle, M.M., Kolassa, J.E., McCann, R.M., Brower, C., and Hall, W. (1999), "Evaluation of a Handwashing Intervention to Reduce Respiratory Illness Rates in Senior Day-Care Centers," *Infection Control and Hospital Epidemiology*, **20**, 200 – 202.
25. Falsey, A.R., Walsh, E.E., Looney, R.J., Kolassa, J.E., Formica, M.A., Criddle, M.C., Hall, W.J. (1999), "Comparison of respiratory syncytial virus humoral immunity and response to infection in young and elderly adults," *J. Med. Virol.*, **59**, 221 – 226.
26. Kolassa, J.E. (1999), "Confidence Intervals for Parameters Lying in a Random Polygon," *Canadian Journal of Statistics*, **27**, 149 – 162.
27. Kolassa, J.E. (1999), "Convergence and Accuracy of Gibbs Sampling for Conditional Distributions in Generalized Linear Models," *Annals of Statistics*, **27**, 129 – 142.
28. Kolassa, J.E. and Tanner, M.A. (1999), "Approximate Monte Carlo Conditional Inference in Exponential Families," *Biometrics*, **55**, 246 – 251.
29. Kolassa, J.E., and Tanner, M.A. (1999), "Small Sample Confidence Regions in Exponential Families," *Biometrics*, **55**, 1291 – 1294.
30. Lanphear, B.P., Howard, C., Eberly, S., Auinger, P., Kolassa, J., Weitzman, M., Schaffer, S.J., and Alexander, K. (1999), "Primary Prevention of Childhood Lead Exposure: A Randomized Trial of Dust Control," *Pediatrics*, **103**, 772 – 777.
31. Looney, R.J., Falsey, A., Campbell, D., Torres, A., Kolassa, J., Brower, C., McCann, R., Menegus, M., McCormick, K., Frampton, P., Hall, W., and Abraham, G.N. (1999), "Role of Cytomegalovirus in the T cell changes seen in elderly individuals," *Clinical Immunology*, **90**, 213 – 219.
32. Kolassa, J.E. (2000), "Explicit Bounds for Geometric Convergence of Markov Chains," *Journal of Applied Probability*, **37**, 642 – 651.
33. Falsey, A.R., Walsh, E.E., Francis, C.W., Looney, R.J., Kolassa, J.E., Hall, W.J., and Abraham, G.N. (2001), "Response of C-Reactive Protein (CRP) and Serum Amyloid A (SAA) to Influenza A Infection in Older Adults," *Journal of Infectious Diseases*, **183**, 995 – 999.
34. Horan, J.T., Francis, C.W., Falsey, A.R., Kolassa, J., Smith, B.H., and Hall, W.J. (2001), "Prothrombotic changes in hemostatic parameters and C-reactive protein in the elderly with winter acute respiratory tract infections," *Thrombosis and Haemostasis*, **85**, 245 – 249.
35. Kissel, J.T., McDermott, M.P., Mendell, J.R., King, W.M., Pandya, S., Griggs, R.C., Tawil, R., and the FSH-DY Group (2001), "Randomized, double-blind, placebo-controlled trial of albuterol in facioscapulohumeral dystrophy," *Neurology*, **57**, 1434 – 1440.

36. Kolassa, J.E. (2001), "Bounding Convergence Rates for Markov Chains: An Example of the Use of Computer Algebra," *Statistics and Computing*, **11**, 83 – 87.
37. Kolassa, J.E. (2001), "Saddlepoint Approximation at the Edges of a Conditional Sample Space," *Statistics and Probability Letters*, **50**, 343 – 349.
38. Looney, J.L., Hasan, M.S., Coffin, D., Campbell, D., Falsey, A.R., Kolassa, J.E., Agosti, J.M., Abraham, G.N., and Evans, T.G. (2001), "Hepatitis B Immunization of Healthy Elderly Adults: Relationship between Naive CD4+ T Cells and Primary Immune Response, and Evaluation of GM-CSF as an Adjuvant," *Journal of Clinical Immunology*, **21**, 30 – 36.
39. Tawil, R., Griggs, R., Jackson, C., Amato, A., Barohn, R., Nations, S., Kissel, J., Mendell, J., Genge, A., Karpati, G., Rose, M., McDermott, M., Pandya, S., Myers, D., Herberlin, L., King, W., Holt, S., Finch, L., Cowman, J., Cos, L., Wrench, M., Sherman, C., Harding, K., Downing, K., Triguero, M., Morrison, C., Holloway, R., Higgins, D., Kolassa, J., Janciuras, J., Martens, W., Gregory, S., and Blood, C. (2001), "Randomized pilot trial of beta INF1a (Avonex) in patients with inclusion body myositis," *Neurology*, **57**, 1566 – 1570.
40. Jing, B-Y., Kolassa, J.E., and Robinson, J. (2002), "Partial saddlepoint approximations for transformed means," *Scandinavian Journal of Statistics*, **29**, 721 – 731.
41. Yang, B., and Kolassa, J.E. (2002), "Saddlepoint Approximation for the Distribution Function Near the Mean," *Annals of the Institute of Statistical Mathematics*, **54**, 743 – 747.
42. Kolassa, J.E. (2003), "Continuity Correction for the Score Statistic in Discrete Regression Models," *Crossing Boundaries: Statistical Essays in Honor of Jack Hall* (ed. Kolassa, J.E., and Oakes, D.), Hayward, CA: Institute of Mathematical Statistics, 139 – 148.
43. Kolassa, J.E. (2003), "Algorithms for Approximate Conditional Inference," *Statistics and Computing*, **13**, 121 – 126.
44. Kolassa, J.E. (2003), "Multivariate Saddlepoint Tail Probability Approximations," *Annals of Statistics*, **31**, 274 – 286.
45. Kolassa, J.E. (2003), "Saddlepoint Distribution Function Approximations in Biostatistical Inference," *Statistical Methods in Medical Research*, **12**, 59 – 71.
46. Cohen, A., Kolassa, J.E., and Sackrowitz, H.B. (2004), "A test for homogeneity of odds ratios in ordered 2×2 tables," *Biometrical Journal*, **46**, 633 – 641.
47. Kolassa, J.E. (2004), "Approximate Multivariate Conditional Inference Using the Adjusted Profile Likelihood," *Canadian Journal of Statistics*, **32**, 5 – 14.
48. Kolassa, J.E., and Yang, B. (2004), "Smooth and Accurate Multivariate Confidence Regions," *Journal of the American Statistical Association*, **99**, 1072 – 1081.
49. Cohen, A., Kolassa, J.E., and Sackrowitz, H.B. (2005), "A Four Action Problem with Ordered Categorical Data: Are Two Distributions the Same, Ordered, or Otherwise?," *Statistics and Probability Letters*, **70**, 223 – 234.
50. Pogach, L., Xie, M., Shentue, Y., Tseng, CL., Maney, M., Rajan, M., Tiwari, A., Kolassa, J., Helmer, D., Crystal, S., and Safford, M. (2005), "Diabetes healthcare quality report cards: how accurate are the grades?," *American Journal of Managed Care*, **11**, 797 – 804.
51. Thompson, W., Wang, H., Xie, M., Kolassa, J., Rajan, M., Tseng, C.-L., Crystal, S., Zhang, Q., Vardi, Y., Pogach, L., and Safford, M.M. (2005), "Assessing Quality of Diabetes Care by Measuring Longitudinal Changes in Hemoglobin A1c in the Veterans Health Administration," *Health Services Research*, **40**, 1919 – 1935.
52. Tseng, C.L., Brimacombe, M., Xie, M., Rajan, M., Wang, H., Kolassa, J., Crystal, S., Chen, T.C., Pogach, L., and Safford, M. (2005), "Seasonal Patterns in Monthly A1c Values,"

American Journal of Epidemiology, **161**, 565 – 574.

53. Yang, B., and Kolassa, J.E. (2005), "A Refinement to Approximate Conditional Inference," *Statistics and Probability Letters*, **72**, 103 – 112.
54. Cohen, A., Kolassa, J.E., and Sackrowitz, H.B. (2006), "A test for the equality of multinomial distributions vs increasing convex order," *Recent Developments in Nonparametric Inference and Probability: Festschrift for Michael Woodroofe* (ed. Sun, J., DasGupta, A., Melfi, V., and Page, C.), Beachwood, OH: Institute of Mathematical Statistics, **50**, 156 – 163.
55. Lev, E., Eller, L., Kolassa, J., Gejerman, G., Colella, J., Lane,P. , Scrofine, S., Esposito, M., Lanteri, V., Scheuch, J., Munver, R., Galli, B., Watson, R., and Sawczuk, I. (2006), "Exploratory factor analysis: strategies used by patients to promote health," *World Journal of Urology*, **25**, 87 – 93.
56. Zhang, J., and Kolassa, J.E. (2007), "A Comparison of the Accuracy of Saddlepoint Conditional Cumulative Distribution Function Approximations," *Statistical Essays in Honor of Yehuda Vardi* (ed. Liu, R., Strawderman, W.E., and Zhang, C.), Beachwood, OH: Institute of Mathematical Statistics, **54**, 250 – 259.
57. Cohen, A., Kolassa, J., and Sackrowitz, H.B. (2007), "A smooth version of the step-up procedure for multiple tests hypotheses," *Journal of Statistical Planning and Inference*, **137**, 3352 – 3360.
58. Kolassa, J.E. (2007), "A Proof of the Asymptotic Equivalence of Two Tail Probability Approximations," *Communications in Statistics – Theory and Methods*, **36**, 221 – 228.
59. Kolassa, J.E., and Robinson, J. (2007), "Conditional Saddlepoint Approximations for Noncontinuous and Nonlattice Distributions," *Journal of Statistical Planning and Inference*, **137**, 133 – 147.
60. Scheetz, L.J., Zhang, J., and Kolassa, J.E. (2007), "Using Crash Scene Variables to Predict the Need for Trauma Center Care in Older Persons," *Research in Nursing and Health*, **30**, 399 – 412.
61. Scheetz, L.J., Zhang, J., and Kolassa, J.E. (2008), "Evaluating Injury Databases as a Preliminary Step in the Development of a Triage Decision Rule," *Journal of Nursing Scholarship*, **40**, 144 – 50.
62. Scheetz, L.J., Zhang, J., Kolassa, J.E., Allen, P., and Allen, M. (2008), "Evaluation of Injury Databases as a Preliminary Step to Developing a Triage Decision Rule," *Journal of Nursing Scholarship*, **40**, 144 – 150.
63. Xu, L., and Kolassa, J.E. (2008), "Testing the Difference of Two Binomial Proportions: Comparison of Continuity Corrections for Saddlepoint Approximation," *Communications in Statistics – Theory and Methods*, **37**, 2213 – 2218.
64. Zhang, J., and Kolassa, J.E. (2008), "Saddlepoint approximation for the distribution of the modified signed root of likelihood ratio statistics near the mean," *Communications in Statistics – Theory and Methods*, **37**, 194 – 203.
65. Golmohammadi, D., Creese, R.C., Valian, H., and Kolassa J. (2009), "Supplier selection based on a neural network model using genetic algorithm," *IEEE Transactions on Neural Networks*, **20**, 1504 – 1519.
66. Lev, E. L., Eller, L.S., Gejerman, G., Kolassa, J., Colella, J., Pezzino, J., Lane, P., Munver, R., Esposito, M., Sheuch, J., Lanteri, V., Sawczuk, I (2009), "Quality of Life of Men Treated for Localized Prostate Cancer: Outcomes at 6 and 12 Months," *Supportive Cancer Care*, **17**, 509.
67. Safford, M.M., Brimacombe, M., Zhang, Q., Rajan, M., Xie, M., Thompson, W., Kolassa,

J., Maney, M., and Pogach, L. (2009), "Patient complexity in quality comparisons for glycemic control: an observational study," *Implementation Science*, **4**,.

68. Scheetz, L.J., Zhang, J. and John Kolassa, J. (2009), "Classification tree modeling to identify severe and moderate vehicular injuries in young and middle-aged adults," *Artificial Intelligence in Medicine*, **45**, 1 – 10.
69. Lev, E.L., Kolassa, J., and Bakken, L.L. (2010), "Faculty mentors' and students' perceptions of students' research self-efficacy," *Nursing Education Today*, **30**, 169 – 174.
70. Li, J., and Kolassa, J.E. (2010), "Multivariate Marginal and Conditional Saddlepoint Tail Probability Approximations," *Bernoulli*, **16**, 1191 – 1207.
71. Kolassa, J., and Robinson, J. (2011), "Saddlepoint approximations for likelihood ratio like statistics with applications to permutation tests," *Annals of Statistics*, **39**, 3357 – 3368.
72. Kolassa, J.E., and Bhagavatula, H.G. (2012), "Accurate Approximations to the Distribution of a Statistic Testing Symmetry in Contingency Tables," *Contemporary Developments in Bayesian Analysis and Statistical Decision Theory: A Festschrift for William E. Strawderman* (ed. D. Fourdrinier, E. Marchand, and A.L. Ruhkin), Beachwood, OH: Institute of Mathematical Statistics, **8**, 181 – 189.
73. Zhang, J., and Kolassa, J.E. (2013), "A practical procedure to find matching priors for frequentist inference," *Communications in Statistics – Theory and Methods*, **42**, 2758 – 2767.
74. Kolassa, J.E., and Seifu, Y. (2013), "Nonparametric Multivariate Inference on Shift Parameters," *Academic Radiology*, **20**, 883 – 888.
75. Quinn, M., Gillooly, D., Kelly, S., Kolassa, J., Davis, E., and Jankowski, S. (2016), "Evaluation of Identified Stressors in Children and Adolescents After Super Storm Sandy," *42*, **5**,

. 76. Kolassa, J.E. (2016), "Inference in the Presence of Likelihood Monotonicity for Polytomous and Logistic Regression," *Advances in Pure Mathematics*, **6**, 331 – 341.

77. Hao, Y., and Kolassa, J.E. (2016), "Multiple Comparisons in the Analysis of a Crossover Trial: PTSD of U.S. Soldiers," *Statistics in Biosciences*, **8**, 253 – 263.
78. Krause-Parello, C.A., and Kolassa, J. (2016), "Pet Therapy: Enhancing Social and Cardiovascular Wellness in Community Dwelling Older Adults," *Journal of Community Health Nursing*, **33**, 1 – 10.
79. Zhu, Y., and Kolassa, J.E. (2017), "Assessing and Comparing the Accuracy of Various Bootstrap Methods," *Communications in Statistics - Theory and Methods*, 1 – 18.
80. Kolassa, J.E., and Robinson, J. (2017), "Nonparametric Tests for Multi-parameter M-Estimators," *Journal of Multivariate Analysis*, **158**, 103 – 116.
81. Krause-Parello, C., Levy, C., Holman, E., and Kolassa, J.E. (2018), "Effects of VA Facility Dog on Hospitalized Veterans Seen by a Palliative Care Psychologist: An Innovative Approach to Impacting Stress Indicators," *American Journal of Hospice and Palliative Medicine*, **35**, 5 – 14.
82. Chen, X., and Kolassa, J. (2018), "Various Improved Approximations to Distributions of Quadratic Test Statistics for Dependent Rank Sums," *Biomedical Journal of Scientific and Technical Research*, **9**, 7052 – 7056.
83. Xie, M., Kolassa, J., Liu, D., Liu, R., and Liu, S. (2018), "Does an observed zero-total-event study contain information for inference of odds ratio in meta-analysis?," *Statistics and Its Interface*, **11**, 327 – 337.
84. Krause-Parello, C.A., Thames, M., Ray, C.M., and Kolassa, J. (2018), "Examining the Effects

of a Service-Trained Facility Dog on Stress in Children Undergoing Forensic Interview for Allegations of Child Sexual Abuse," *Journal of Child Sexual Abuse*, **27**, 305 – 320.

85. Cohen, A., Kolassa, J., and Sackrowitz, H. (2019), "Penalized likelihood and multiple testing," *Biometrical Journal*, **61**, 62 – 72.
86. KrauseParello, C.A., Friedmann, E., Wilson, C., Hatzfeld, J.J., Kolassa, j., Hackney, A., and Morales, K. (2019), "Relation of posttraumatic stress disorder symptom severity to the efficacy of an animalassisted intervention for stress reduction after military aeromedical evacuation," *Stress and Health*, **35**, 480 – 490.
87. Morales, K., Krause-Parello, C.A, Hatzfeld, J.J., Simpson, M., Friedmann, E., Kolassa, J., and Wilson, C. (2019), "Strategic Aeromedical Evacuation (AE): Examining Biological and Psychosocial Stress in AE Patients," *Military Behavioral Health*, **7**, 31 – 39.
88. Zawada, J., Kolassa, J.E., and Seifu, Y. (2019), "Statistical Significance: Reliability of P-Values Compared to Other Statistical Summaries," *Current Trends in Biostatistics and Biometrics*, **2**, 171 – 175.
89. Kolassa, J.E., and Kuffner, T.A. (2020), "On the validity of the formal Edgeworth expansion for posterior densities," *Annals of Statistics*, **48**, 1940 - 1958.
90. Yang, J. and Kolassa, J.E. (2021), "The Impact of Application of Jackknife to the Sample Median," *American Statistician*, **76**, 201.
91. Zhong, D. and Kolassa, J.E. (2021), "Moments and Cumulants of The Two-Stage Mann-Whitney Statistic," *Biomedical Journal of Scientific and Technical Research*, **35**, 27353 – 27358.
92. Seifu, Y. , Mt-Isab, S., Dukec, K., Gamalo-Siebers, M., Wange, W., Dong, G. and Kolassa, J. (2022), "Design of paediatric trials with benefit risk endpoints using the adverse events of interest (AEI) composite score and win-statistics," *Journal of Biopharmaceutical Statistics*, **33**, 696 – 707.
93. Kuchibhotla, A.K., Kolassa, J.E., and Kuffner, T.A. (2022), "Post-Selection Inference," *Annual Review of Statistics and its Application*, **9**, 505 – 527.
94. Dong, G., Huang, B., Verbeeck, J., Cui, Y., Song, J., GamaloSiebers, M., Wang, D., Hoaglin, D.C., Seifu, Y., Mutze, T. and Kolassa, J. (2023), "Win statistics (win ratio, win odds, and net benefit) can complement one another to show the strength of the treatment effect on time-to-event outcomes," *Pharmaceutical Statistics*, **22**, 20 – 33.
95. Baumgartner, D. and Kolassa, J.E. (2023), "Power Considerations for Kolmogorov-Smirnov and Anderson-Darling Two-Sample Tests," *Communications in Statistics - Simulation and Computation*, **52**, 3137 – 3145.
96. Altan, S., Amaratunga, D., Cabrera, J., Garren, J., Geys, H., Kolassa, J., LeBlond, D., Li, D., Liao, J., Liu, J., Lubomirski, M., Miro-Quesada, G., Novick, S., Peterson, J., Otava, M., Reckermann, K., Schofield, T., Tan, C., Tatikola, K., Tekle, F., Thomas, J.and Vukovinsky, K. (2023), "Survey and Recommendations on the use of P-values driving decisions in Nonclinical Applications," *Statistics in Biopharmaceutical Research*, **15**, 343 – 358.
97. Kolassa, J.E. and Zhang, J. (2023), "Inference in the Presence of Likelihood Monotonicity for Proportional Hazards Regression," *Statistica Neerlandica*, **77**, 322 – 329.
98. Kolassa, J., Chen, X., Seifu, Y., and Zhong, D. (2022), "Power Calculations and Critical Values for Two-Stage Nonparametric Testing Regimes," *Festschrift in honor of David Tyler* (ed. Nordhauser, K. and Yi, M.), New York: Springer, 409 – 428.
99. Kolassa,J.E. and Pickering, E. (2023), "Selected Articles from the Nonclinical Biostatistics Conference 2021," *tatistics in Biopharmaceutical Research*, **15**, 705 – 705.

100. Gebhart, L., and Kolassa, J.E. (2024), "Adjustments for Kurtosis and Continuity on the Prentice Test," *Advances in Pure Mathematics*, **14**, 101 – 117.
101. Wu, Y. and Kolassa, J.E. (2024), " Interval-specific censoring set adjusted KaplanMeier estimator," *Journal of Applied Statistics*, **51**, 2436 – 2456.
102. Wu, Y. and Kolassa, J.E. and Dong, N. (2025), "Restricted mean survival time based on Wu-Kolassa estimator compared to Kaplan-Meier estimator," *Contemporary Clinical Trials*, **152**, TBD.

Papers in Non–Peer–Reviewed Proceedings Volumes, Electronic Publications, and Book Reviews:

103. Kolassa, J.E. (1994), "Small Sample Conditional Inference in Biostatistics," *Proceedings of the Symposium on the Interface* (ed. Sall, J., and Lehman, A.), Fairfax Station, VA: Interface Foundation of North America, **26**, 333 – 339.
104. Kolassa, J.E. (1995), "Monte Carlo Sampling in Multiway Contingency Tables," *Bulletin of the International Statistical Institute: Proceedings of the Fiftieth Session*, Beijing: International Statistical Institute, **II**, 471 – 480.
105. Kolassa, J.E., and Tanner, M.A. (1997), "Approximate Monte Carlo Conditional Inference in Exponential Families," *Proceedings of the Symposium on the Interface* (ed. Billard, L.), Fairfax Station, VA: Interface Foundation of North America, **28**, 325 – 328.
106. Kolassa, J.E. (1998), "Asymptotic, Higher Order," *Encyclopedia of Statistical Sciences, Updated* (ed. Kotz, S., Read, C.B., and Banks, D.L.), New York: John Wiley and Sons, **II**, 31 – 36.
107. Kolassa, J.E. (1999), "Small Sample Confidence Regions in Exponential Families," *Proceedings of the Symposium on the Interface* (ed. Berk, K., and Pourahmadi, M.), Fairfax Station, VA: Interface Foundation of North America, **31**, 7 – 10.
108. Kolassa, J.E. (2002), "Review of *Conditional Specifications of Statistical Models* by Arnold, Castillo, and Sarabia," *Journal of the American Statistical Association*, **97**, 1204 – 1205.
109. Kolassa, J.E. (2004), "Saddlepoint Approximations," *Encyclopedia of Biostatistics* (ed. Armitage, P.), London: John Wiley and Sons, 4681 – 4682.
110. Davidson, J., and Kolassa, J. (2008), "Small–Sample Inference for Non–Inferiority in Binomial Experiments," *Frontiers of Applied and Computational Mathematics* (ed. Blackmore, D., Bose, A., and Petropoulos, P.), Hackensack, NJ: World Scientific Publishing Co., 182 – 189.
111. McCullagh, P. and Kolassa, J. (2009), "Cumulants," *Scholarpedia*, **4**, 4699.
112. Kolassa, J.E. (2015), "Saddlepoint Approximations," *StatsRef* (ed. Balakrishnan, N., Everitt, B., Molenberghs, G., Piegorsch, W., and Ruggeri, F.), London: John Wiley and Sons, 4681 – 4682.
113. Choi, D., Kolassa, J.E., Lakshminarayanan, M., Nussbaum, B.D., OMalley, A.J., Shen, W., and Zou, K.H. (2016), "A Recipe for Successful Collaborations: A JSM 2015 Panel Discussion," *Amstat News*, 12 – 14.
114. Mietlowski, W., Kolassa, J.E., Geneus, V., Liu, A., Shen , W. Yu, C.-R., and Zou, K.H. (2016), "Effective Research-Oriented Internships to Foster the Next Generation of Statisticians," http://stattrak.amstat.org/2016/12/01/internshipstofostergrads/.
115. Novick, S., and Kolassa, J.E. (2016), "Abstracts Wanted for Nonclinical Biostatistics Conference," *Amstat News*, 11.
116. Novick, S., and Kolassa, J.E. (2017), "Nonclinical Biostatistics Conference: An Overview," *Amstat News*, 35.

117. Kolassa, J.E. (2018), "Report from the Workshop on Envisioning and Industrial Career," *International Chinese Statistical Association Bulletin*, **30**, 9.
118. Zhong, D. and Kolassa, J.E. (2019), "Moments and Cumulants of The Two-Stage Mann-Whitney Statistic," https://arxiv.org/abs/1709.00453.
119. Kolassa, J.E. (2019), "Review of *Inference, Asymptotics, and Applications: Selected Paper of Ib Skovgaard, with Introductions by his Colleagues* by Reid and Martinussen," *Journal of the American Statistical Association*, **114**, 482.
120. Altan, S. and Kolassa, J. (2019), "Introduction to the 2019 Special Issue on Nonclinical Statistics," *Statistics in Biopharmaceutical Research*, **11**, 109 – 110.
121. Kolassa, J. (2020), "When academia meets industry meets government," *Significance*, **17**, 44 – 45.
122. Altan, S., and Kolassa, J. (2021), "The 2019 Nonclinical Biostatistics Conference," *Statistics in Biopharmaceutical Research*, **13**, 295 – 296.
123. Altan, S., and Kolassa, J. (2021), "Why is Nonclinical Statistics not called by what it is?," *Biopharm Newsletter*, **28**, 14 – 20.
124. Shardell, M., Jensen, W., Kolassa, J.E., and Ellis, R. (2021), "SPAIG Award Winners," *Amstat News*, 37 – 39.
125. Gamerman, V., Kolassa, J.E., Li, J.Z., Viatris; Natanegara, F., Sellers, K.F., Talwai, A. and Zou, K.H. (2022), "ICSA Panel Discusses Partnerships, Collaborations Across Sectors, Parts I," *Amstat News*, **2022**, 16 – 17.
126. Gamerman, V., Kolassa, J.E., Li, J.Z., Viatris; Natanegara, F., Sellers, K.F., Talwai, A. and Zou, K.H. (2022), "ICSA Panel Discusses Partnerships, Collaborations Across Sectors, Part II," *Amstat News*, **2022**, 5 – 7.

Software:

127. Kolassa, J.E. (2014), "MultNonParam," R package that performs a variety of nonparametric calculations. Hosted on CRAN, now version 1.3.9 and most recently updated August 2023.

128. Kolassa, J.E. (2019), "NonparametricHeuristic," R package that supports teaching activities for Methods of Inference and Nonparametrics. Hosted on Github, and most recently updated November 2022.
129. Kolassa, J.E. (2020), "PHInfiniteEstimates," R package that adjusts for infinite estimates in Cox regression. Hosted on CRAN, now version 2.9 and most recently updated April 2023.

130. Kolassa, J.E. (2020), "twostage," R package that calculates critical values and power for two-stage group sequential trials. Hosted on Github and most recently updated September 2021.
131. Kolassa, J.E. (2020), "bivcornish," R package that calculates a bivariate Cornish-Fisher expansion in support of package twostage and is hosted on Github and most recently updated September 2021.
132. Sackrowitz, H., Sackrowitz, M., and Kolassa, J.E. (2021), "ChangePoint," R package that provides calculations from Cohen, Kolassa, and Sackrowitz (2018) and is hosted on Github.

PRESENTATIONS:

These do not include works for which Kolassa was non-presenting co-author.

1. Kolassa, J.E. (1989),"Approximate Saddlepoint Methods," Symposium on Applied Probability, Sheffield, UK.
2. Kolassa, J.E. (1990),"Confidence Intervals for Extrema in Random Linear Programs," American Statistical Association Summer Meetings, Anaheim, CA.
3. Kolassa, J.E. (1991),"Estimating Random Effects Generalized Linear Models," Joint Statistical Meetings, Atlanta, GA.
4. Kolassa, J.E. (1992),"Approximate Conditional Inference in Exponential Families Via the Gibbs Sampler," Joint Statistical Meetings, Boston, MA.
5. Kolassa, J.E. (1993),"Approximate Conditional Inference in Exponential Families Via the Gibbs Sampler," Biometric Society (ENAR) Spring Meeting, Philadelphia, PA. Invited presentation.
6. Kolassa, J.E. (1994),"Higher–Order Approximations to Conditional Distribution Functions," Biometric Society (ENAR) Spring Meeting, Cleveland, OH.
7. Kolassa, J.E., and Tanner, M.A. (1994),"Approximate Conditional Inference in Exponential Families Via the Gibbs Sampler," AMS-ASA-SIAM Conference on Markov Chain Monte Carlo Methods, Holyoke, MA. Invited presentation.
8. Kolassa, J.E. (1994),"Small Sample Conditional Inference in Biostatistics," Twenty–Sixth Symposium on the Interface, Research Triangle Park, NC. Invited presentation.
9. Kolassa, J.E. (1995),"Uniformity of Double Saddlepoint Conditional Probability Approximations," Biometric Society (ENAR) Spring Meeting, Birmingham, AL.
10. Kolassa, J.E. (1995),"Uniformity of Double Saddlepoint Conditional Probability Approximations," Conference on Likelihood, Asymptotics and Neo–Fisherian Inference, Brixen, Italy. Invited presentation.
11. Kolassa, J.E. (1995),"Monte Carlo Sampling in Multiway Contingency Tables," Fiftieth Session of the ISI, Beijing, China. Invited presentation.
12. Kolassa, J.E. (1996),"Approximate Monte Carlo Conditional Inference in Exponential Families," Twenty–Eighth Symposium on the Interface, Sydney, NSW. Invited presentation.
13. Kolassa, J.E. (1997),"Approximate Monte Carlo Conditional Inference in Exponential Families," Biometric Society (ENAR) Spring Meeting, Memphis, TN.
14. Kolassa, J.E. (1997),"Approximate Monte Carlo Conditional Inference in Exponential Families," CRM Summer School on Asymptotics, Banff, AB. Invited presentation.
15. Kolassa, J.E. (1997),"Explicit Bounds for Geometric Convergence of Markov Chains," CRM Workshop on Symbolic Computation, Montreal, QE. Invited presentation.
16. Kolassa, J.E. (1998),"Saddlepoint Approximations in Biostatistics," Biometric Society (ENAR) Spring Meeting, Pittsburgh, PA. Organized session. Session organizer.
17. Kolassa, J.E., and Yang, B. (1998),"Multivariate Confidence Regions for Generalized Linear Models," Biometric Society (WNAR) Annual Meeting, San Diego, CA. Invited presentation.
18. Kolassa, J.E. (1999),"Conditional Inference in Generalized Linear Models," Thirty–First Symposium on the Interface, Schaumberg, IL. Invited presentation.
19. Kolassa, J.E. (2000),"Saddlepoint Expansions for Distribution Functions of Random Vectors," Biometric Society (ENAR) Spring Meeting, Chicago, IL..
20. Kolassa, J.E. (2000),"Saddlepoint Expansions for Distribution Functions of Random Vectors," Meeting on Likelihood Theory and Inference, Ascona, Switzerland. Invited presentation.

21. Kolassa, J.E. (2002),"Small Sample Confidence Regions for Exponential Families," Biometric Society (ENAR) Spring Meeting, Alexandria, VA.
22. Kolassa, J.E. (2003),"Smooth and Accurate Multivariate Confidence Regions," Biometric Society (ENAR) Spring Meeting, Tampa, FL.
23. Kolassa, J.E. (2004),"Conditional Saddlepoint Approximations for Noncontinuous and Nonlattice Distributions," Joint Statistical Meetings, Toronto, ON.
24. Kolassa, J.E. (2005),"Saddlepoint Approximations for Distribution Functions," Joint Statistical Meetings, Minneapolis, MN. Invited presentation.
25. Kolassa, J.E. (2007),"Approximate Inference," Rutgers Biostatistics Day, Piscataway, NJ. Invited presentation.
26. Kolassa, J.E. (2006),"Approximate Inference," Rutgers–Pfizer Colloquium, Piscataway, NJ. Invited presentation.
27. Kolassa, J.E. (2008),"Conditional Saddlepoint Approximations for Non-Continuous and Non-Lattice Distributions," 5th Conference on Frontiers in Applied and Computational Mathematics, Newark, NJ. Invited presentation.
28. Kolassa, J.E. (2010),"Accurate Approximations for the Distribution of Tests of Symmetry," Joint Statistical Meetings, Vancouver, BC.
29. Kolassa, J.E. (2011),"Approximation Inference for Multinomial Regression," Novartis Biostatistics Day, East Hanover, NJ. Invited presentation.
30. Kolassa, J.E. (2014),"Infinite Parameter Estimates in Polytomous Regression," New Jersey Institute of Technology, Newark, NJ. Invited presentation.
31. Chen, X., and Kolassa, J.E. (2014),"Higher–Order Approximations to Multivariate Mann–Whitney Statistics," Joint Statistical Meetings, Boston, MA. Invited presentation.
32. Choi, D., Kolassa, J.E., Lakshminarayanan, M., Nussbaum, B.D., O'Malley, A.J., and Shen, W. (2015),"Vital Collaborations Among Academia, Industry, and Government: Topic Contributed Session," Joint Statistical Meetings, Seattle, WA. Invited presentation.
33. Kolassa, J.E. (2016),"Highlights from Stat invited session organizer," Joint Statistical Meetings, Chicago, IL. Invited presentation.
34. Kolassa, J.E. (2016),"Internships as Training for MS-Level Statisticians: Topic Contributed Session," Joint Statistical Meetings, Chicago, IL. Invited presentation.
35. Kolassa, J.E. (2017),"Highlights from Stat invited session organizer," Joint Statistical Meetings, Baltimore, MD. Invited presentation.
36. Kolassa, J.E. (2018),"Size and Power Considerations for Multivariate Rank Statistics: Invited presentation," Institute for Mathematical Statistics Asia and Pacific Rim Meeting, Singapore. Invited presentation.
37. Kolassa, J.E. (2018),"Applications of Higher-Order and Approximately Exact Inference," Washington University, Saint Louis, MO. Invited presentation.
38. Kolassa, J.E. (2018),"Highlights from Stat topic-contributed session organizer and discussant," Joint Statistical Meetings, Vancouver, BC. Invited presentation.
39. Kolassa, J.E. (2018),"SPAIG Committee Roundtable lunch moderator," Joint Statistical Meetings, Vancouver, BC. Invited presentation.
40. Kolassa, J.E. (2018),"SPAIG Committee Award Winner Invited Session Chair," Joint Statistical Meetings, Vancouver, BC. Invited presentation.
41. Kolassa, J.E., and Zhang, J. (2018),"Infinite Parameter Estimates in Proportional Hazards Regression (poster)," Workshop on Higher Order Asymptotics and Post-Selection

Inference, Saint Louis, MO.

42. Kolassa, J.E., and Zhang, J. (2018),"Infinite Parameter Estimates in Proportional Hazards Regression (keynote presentation)," Seventh International Conference on Biostatistics and Bioinformatics, Chicago, IL. Invited presentation.
43. Kolassa, J.E., and Zhang, J. (2018),"Infinite Parameter Estimates in Proportional Hazards Regression (invited presentation)," Eleventh International Conference of the ERCIM WG on Computational and Methodological Statistics (CMStatistics 2018), Pisa, Italy. Invited presentation.
44. Kolassa, J.E. (2019),"Interface between Data Science and Statistics," 2019 Spring Nonclinical Biostatistics Leadership Forum Meeting, Springhouse, PA. Invited presentation.
45. Kolassa, J.E., and Zhang, J. (2019),"Infinite Parameter Estimates in Proportional Hazards Regression," Joint Statistical Meetings, Denver, CO.
46. Kolassa, J.E., and Kuffner, T.A. (2020),"On the Validity of the Formal Edgeworth Expansion for Posterior Densities," Joint Statistical Meetings, Virtual.
47. Kolassa, J.E. (2021),"Invited Panel on Statistics and Data Science Partnerships across Sectors," International Chinese Statistical Association, Virtual. Invited presentation.
48. Kolassa, J.E. (2022),"Power Calculations and Critical Values for Two-Stage Nonparametric Testing Regimes," Joint Statistical Meetings, Washington, DC. Invited presentation.
49. Kolassa, J.E. (2023),"Statistical Significance: Reliabilities of P-Values Compared to Other Statistical Summaries," International Chinese Statistical Association Applied Statistics Symposium, Ann Arbor, MI. Invited presentation.
50. Kolassa, J.E. (2023),"Panel Moderator, Clinical and Nonclinical statistics roles in the pharmaceutical industry: how knowledge of one helps the other," Joint Statistical Meetings, Toronto, ON. Invited presentation.
51. Kolassa, J.E. (2023),"Bivariate Tail Probability Approximations," IMS International Conference on Statistics and Data Science, Lisbon, Portugal. Invited presentation.

Recent departmental colloquia:

52. Kolassa, J.E. (2021),"Nonparametric Estimation of Survival Curves," SUNY Downstate Medical Center, Brooklyn, NY.
53. Kolassa, J.E. (2021),"Inference in the Presence of Likelihood Monotonicity for Proportional Hazards Regression," Washington University, St. Louis, MO.
54. Kolassa, J.E. (2021),"Inference in the Presence of Likelihood Monotonicity for Proportional Hazards Regression," Southern Methodist University, Dallas, TX (Virtual).

TEACHING ACTIVITIES :

PhD Supervision:

PhD Supervisor for Bo Yang, U. of Rochester, Department of Biostatistics (1999)
PhD Supervisor for Juan Zhang, Rutgers U., Department of Statistics and Biostatistics (2008)
PhD Supervisor for Lu Xu, Rutgers U., Department of Statistics and Biostatistics (2009)
PhD Supervisor for Jixin Li, Rutgers U., Department of Statistics and Biostatistics (2010)
PhD Supervisor for Yaoshi Wu, Rutgers U., Department of Statistics and Biostatistics (2014)
PhD Supervisor for Dewei Zhong, Rutgers U., Department of Statistics and Biostatistics (2020)
PhD Supervisor for Donghyun Lee (potentially with Roubin Gong, Rutgers U., Department of Statistics and Biostatistics (2024)

PhD Committee Membership:

Thesis committee for Aiyi Liu, U. of Rochester, Department of Statistics (1996)
Thesis committee for Byeongseon Seo, U. of Rochester, Department of Economics (1996)
Thesis committee for Carol Marchetti, U. of Rochester, Department of Statistics (1996)
Thesis committee for Lu Cui, U. of Rochester, Department of Statistics (1996)
Thesis committee chair for Shieh-Shun Fu, U. of Rochester, Department of Mathematics (1997)
Thesis committee chair for Euthemia Stavrulaki, U. of Rochester, Simon School of Business (1998)
Thesis committee for Raji Natarajan , U. of Rochester, Department of Statistics (1999)
Thesis committee for Miranda Wai , Rutgers U., Management Program, Business School (2002)
Thesis committee for Hongwei Wang, Rutgers U., Program in Statistics (2004)
Thesis committee for Kenneth Ganning, Rutgers U., Program in Statistics (2004)
Thesis committee for Wesley Thompson, Rutgers U., Program in Statistics (2004)
Thesis committee for Claire Donaghy, Rutgers U., School of Nursing (2005)
Thesis committee for Howard Bondell, Rutgers U., Program in Statistics (2005)
Thesis committee for Ramprasath Lakshminarasimhan, Rutgers U., Program in Statistics (2005)
Thesis committee for Jue Wang, Rutgers U., Program in Statistics (2008)
Thesis committee for Shaoyu Luo, Rutgers U., Program in Statistics (2009)
Thesis committee for Mingyu Li, Rutgers U., Program in Statistics (2009)
Thesis committee for Jill Cox, Rutgers U., School of Nursing (2010)
Thesis committee for Yufei Wang, Rutgers U., Program in Statistics (2010)
Thesis committee for Andrew Magyar, Rutgers U., Program in Statistics (2012)
Thesis committee for Wenqian Qiao, Rutgers U., Program in Statistics (2012)
Thesis committee for Elizabeth Klebler, Rutgers U., School of Nursing (2014)
Thesis committee for Jie Liu, Rutgers U., Program in Statistics (2014)
Thesis committee for Aleesa Mobley, Rutgers U., School of Nursing (2014)
Thesis committee for Yi Xia, Rutgers U., Program in Statistics (2014)
Thesis committee for Inga Samonenko, U. of Sydney, (2014)
Thesis committee for Yayan Zhang, Rutgers U., Program in Statistics (2015)
Thesis committee for Huijuan Liu, Rutgers U., Program in Statistics (2015)
Thesis committee for Erica Ashe, Rutgers U., Program in Statistics (2018)
Thesis committee for Jie Shen, Rutgers U., Program in Computer Science (2018)
Thesis committee for Joseph Chiarappa, Rutgers U., Program in Statistics (2019)
Thesis committee for Ellie Small, Rutgers U., Program in Statistics (2019)
Thesis committee for Traymon Beavers, Rutgers U., Program in Statistics (2019)
Thesis committee for Suzanne Thornton, Rutgers U., Program in Statistics (2019)
Thesis committee for Nielsen Miller, Rutgers U., Program in Statistics (2020)
Thesis committee for Kenneth Chiaria, Rutgers U., Program in Statistics (2021)
Thesis committee for Ge Cheng, Rutgers U., Program in Statistics (2024)

Masters Student Mentoring:

Internship mentor for Lorraine Thiery, Rutgers U., ENSAI program (2013)
Internship mentor for Fabien Domergue, Rutgers U., ENSAI program (2013)
Internship mentor for Stephane Jankowski, Rutgers U., ENSAI program (2014)
Internship mentor for Laetitia Orta, Rutgers U., ENSAI program (2016)

Mentor for Donghyun Lee, Rutgers U., ENSAI program (2022)

Undergraduate and High School Student Mentoring:

REU mentor for Judy Davidson, Rutgers U., DIMACS (2006)
REU mentor for James Long, Rutgers U., DIMACS (2007)
REU mentor for Angela Zhu, Rutgers U., DIMACS (2016)
REU mentor for Jacqueline Zawada, Rutgers U., DIMACS (2019)
Research mentor for Jianning Yang, Rutgers U., Zhijiang University, (2020)
Research mentor for Daniel Baumgartner, Rutgers U., West Plainsboro High School, (2020 – 2021)
REU mentor for Lily Gebhart, Rutgers U., DIMACS (2023)

Formal Courses:

"Introduction to Statistical Methods", U. of Chicago , Stat 220 (1988)
"Series Approximation Methods in Statistics", U. of Rochester , STT511 (1991, 1994, 1996)
"Mathematical Statistics and its Applications", U. of Rochester , STT203 (1992, 1995)
"Nonparametric Inference", U. of Rochester , STT531 (1993, 1998)
"Statistical Inference II", U. of Rochester , STT412 (1993)
"Introduction to Statistics", Northwestern U. , STAT B–02 (1995, 1996)
"Probability Theory and its Social Science Applications", Northwestern U. , MATH C–92 (1995)
"Applied Statistics for the Biological and Physical Sciences I", U. of Rochester , STT212 (1997, 1998, 1999)
"Statistical Inference I", U. of Rochester , STT411 (1997)
"Stochastic Processes", U. of Rochester , BST402 (1999)
"Biostatistics I", Rutgers U. , 960 – 584 (2000, 2001, 2002, 2003)
"Introduction to the Theory of Statistics", Rutgers U. , 960 – 382 (2002, 2024)
"Statistical Methods in Education II (and various other names, for nursing students)", Rutgers U. , 960 – 532 (2007, 2008, 2009)
"Second Methods Course for Nursing PhD students", Rutgers U. , 960 – 682 (2008)
"Basic Probability and Statistics", Rutgers U. , 960 – 379 (2010)
"Advanced Nonparametric Statistical Inference", Rutgers U. , 960 – 655 (2012, 2013)
"Statistical Theory for Research Workers", Rutgers U. , 960 – 501 (2017, 2018)
"Methods of Inference", Rutgers U. , 960 – 583 (2019)
"Regression Analysis", Rutgers U. , 960 – 563 (2020)
"Theory of Probability", Rutgers U. , 960 – 381 (2020, 2021)
"Nonparametric Statistical Inference", Rutgers U. , 960 – 555 (2012, 2013, 2014, 2015, 2016, 2019, 2022)
"Intermediate Statistical Analysis, Basic Applied Statistics", Rutgers U. , 960 – 384, 960 – 484 (2022)
"Life Data Analysis", Rutgers U. , 960 – 542 (2000, 2001, 2004, 2005, 2009, 2020, 2021, 2023)
"Categorical Data Analysis", Rutgers U. , 960 – 553 (2006, 2007, 2009, 2017, 2023)
"Introduction to the Theory of Statistics", Rutgers U. , 960 – 382 (2002, 2024)
"Regresssion Methods", Rutgers U. , 960 – 463 (2024)

K-12 Outreach:

"Probability and Clinical Trials", Middle School Math Lecture (2011 – 2014, 4 years)
"Preparation for being a College Professor", Middle School Career Fair (2014)
"Preparation for being a College Professor", High School Career Fair (2017)

ADMINISTRATIVE RESPONSIBILITIES:

Seminar Organizer, University of Rochester, Department of Biostatistics (1994 – 1995, 1996 – 1997)
IAIMS Committee, University of Rochester, School of Medicine and Dentistry (1994 – 1995)
Creator of WWW Page, Northwestern University, Department of Statistics (1995 – 1996)
Maintainer of WWW Page, University of Rochester, Department of Biostatistics (1995 – 1999)
Parking Committee, University of Rochester, (1996 – 1997)
Committee on Graduate Studies (formerly Interdepartmental Graduate Curriculum Committee), University of Rochester, School of Medicine and Dentistry (1996 – 1999)
Computing Needs Committee, University of Rochester, Department of Biostatistics (1996 – 1999)
Ad–Hoc Committee on Medical Imaging, University of Rochester, (1996)
Admissions Committee, University of Rochester, Department of Statistics (1997 – 1999)
Director of Graduate Studies, University of Rochester, Department of Biostatistics (1997 – 1999)
Graduate Education in the Biological Sciences Curriculum Committee, University of Rochester, School of Medicine and Dentistry (1997 – 1999)
Graduate Education in the Biological Sciences Organizational Committee, University of Rochester, School of Medicine and Dentistry (1997 – 1999)
Safety Monitoring Committee, Proventil in FSH Muscular Dystrophy, R. Tawil, MD, PI, University of Rochester, School of Medicine and Dentistry (1997 – 1999)
Safety Monitoring Committee, AVONEX in Inclusion Body Myosis, R. Tawil, MD, PI, University of Rochester, School of Medicine and Dentistry (1998 – 1999)
Computer Committee, Rutgers University, Department of Statistics (2000 – 2002)
Seminar Organizer, Rutgers University, Department of Statistics (2001 – 2002)
Course Assignment Committee, Rutgers University, Department of Statistics (2001 – 2019)
Biostatistics Committee, Rutgers University, Department of Statistics (Various Years)
Library Liaison, Rutgers University, Department of Statistics (2002 – 2024)
Mathematical Association of America Liaison, Rutgers University, Department of Statistics (2007 – 2024)
Director, Office of Statistical Consulting, Rutgers University, Department of Statistics and Biostatistics (2003 – 2005)
ad hoc Member, Advisory Committee on Appointments and Promotions (1 meeting), Rutgers University, Faculty of Arts and Sciences (2005)
Director of Graduate Studies, Rutgers University, Department of Statistics (2005 – 2017)
Advisory Committee on Appointments and Promotions, Rutgers University, School of Arts and Sciences (2007 – 2009)
Advisory Committee on Admissions, Rutgers University, Graduate School – New Brunswick (2007 – 2010)
Core Requirements Committee, Rutgers University, School of Arts and Sciences (2007 – 2011)
Dean's Area Committee, Rutgers University, Graduate School – New Brunswick (2007 – 2011)
Fulbright Faculty Grant Advisory Board, Rutgers University, School of Arts and Sciences (2008 – 2011)

Recovery Oriented Integrated System Steering Committee, State of New Jersey, Department of Corrections (2009 – 2010)

Dean's Award Committee, Rutgers University, Graduate School – New Brunswick (2009 – 2016)

Secretary of the Faculty, Rutgers University, School of Arts and Sciences (2019 – 2022)

Diversity Fellowship Review Committee, Rutgers University, Graduate School – New Brunswick (2017 – 2020)

Profession Science Master Degree Steering Committee, Rutgers University, Graduate School – New Brunswick (2009 – 2024)

Science Ethics and the Responsible Conduct of Research Committee, Rutgers University, Graduate School – New Brunswick (2012 – 2013)

Dean's Evaluation Nomination Committee, Rutgers University, Graduate School – New Brunswick (2014)

Executive Committee, Rutgers University, Graduate School – New Brunswick (2013 – 2014, 2016 – 2017 June)

Executive Committee, Rutgers University, School of Graduate Studies (2017 July – 2020 June, and *ex officio* as faculty council representative, 2022 – 2024)

Executive Committee, Rutgers University, DIMACS (2016 – 2024)

Committee Member, American Statistical Association, Statistical Partnerships in Academia, Industry, and Government(SPAIG) Committee (2017 – 2022)

Committee Member, Communications Committee, Nonclinical Biostatistics Leadership Forum (2021 – Present)

Co-Chair, Scholarship Committee, Nonclinical Biostatistics Leadership Forum (2021 – Present)

Member, Limited Submissions Reviewer Pool, Office of Research, Rutgers (2021 – 2024)

Committee Member, Chancellor's ad hoc committee advising on the prospect of a new degree completion school, Rutgers University, New Brunswick, NJ (2023)

Representative for the School of Graduate Studies, Rutgers Faculty Council, Office of the Provost – Chancellor, Rutgers (2022 – 2024)

Dean's Area Committee, Rutgers University, School of Graduate Studies (2023 – 2024)

Committee Member, Transparency and Reproducibility Committee, International Union of Basic and Clinical Pharmacology (2024 – Present)

Conference Organization:

Organizing Committee, First Workshop on Higher Order and Post Selection Inference, St. Louis, MO (2016)

Organizing Committee, Second Workshop on Higher Order and Post Selection Inference, St. Louis, MO (2017)

Co-Chair, American Statistical Association Biopharmaceutical Section, Nonclinical Biostatistics Conference, Piscataway, NJ (2017)

Organizing Committee, Third Workshop on Higher Order and Post Selection Inference, St. Louis, MO (2018)

Organizing Committee, Fourth Workshop on Higher Order and Post Selection Inference, St. Louis, MO (2019)

Co-Chair, American Statistical Association Biopharmaceutical Section, Nonclinical Biostatistics Conference, New Brunswick, NJ (2019)

Co-Chair, American Statistical Association Biopharmaceutical Section, Nonclinical Biostatistics Conference, New Brunswick, NJ (2021)

Co-Chair, American Statistical Association Biopharmaceutical Section, Nonclinical Biostatistics Conference, New Brunswick, NJ (2023)

Co-Chair, American Statistical Association Biopharmaceutical Section, Nonclinical Biostatistics Conference, New Brunswick, NJ (2025)