Lexin Li

CONTACT

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RESEARCH INTERESTS

- ▶ Neuroimaging analysis: brain connectivity analysis, imaging causal inference, imaging genetics, longitudinal imaging analysis, multimodal neuroimaging analysis, tensor analysis
- ▶ Brain-computer-interface, deep brain stimulation, neuromodulation
- ▷ Statistical machine learning, deep learning, reinforcement learning
- Differential equations, point process modeling, functional data analysis
- ▶ Dimension reduction, variable selection, high dimensional regressions

EDUCATION

▶ Ph.D. Statistics. University of Minnesota, Twin Cities	2003
▶ M.S. Statistics. University of Minnesota, Twin Cities	2002
▷ B.E. Electrical Engineering. Zhejiang University, China	1998

POSITIONS

▶ Professor and Division Chair	Department of Biostatistics & Department of Statistics & Helen Wills Neuroscience Institute University of California, Berkeley 2025 - present
▶ Editor-in-Chief	Annals of Applied Statistics 2025 - 2027
▶ Professor D	repartment of Biostatistics & Helen Wills Neuroscience Institute University of California, Berkeley 2018 - 2025
▷ Associate Professor	Department of Biostatistics, University of California, Berkeley 2014 - 2018
	Department of Statistics, Stanford University 2012 - 2013
	Yahoo! Research Labs 2011 - 2012

Associate Professor	Department of Statistics, North Carolina State University
	2011 - 2014
▶ Assistant Professor	Department of Statistics, North Carolina State University 2005 - 2011
▷ Post-Doctoral Scholar	School of Medicine, University of California, Davis
	2003 - 2005

HONORS

▶ Fellow, American Statistical Association (ASA)	2017
▷ Fellow, Institute of Mathematical Statistics (IMS)	2021
▷ Fellow, American Association for the Advancement of Science (AAAS)	2024
▷ Fellow, Asia-Pacific Artificial Intelligence Association (AAIA)	2025
▷ Elected Member, International Statistical Institute (ISI)	2021

PUBLICATIONS

► Articles in Peer Reviewed Journals

- [1] Luo, L., Shi, C., Wang, J., Wu. Z., and Li, L. (2025). Multivariate dynamic mediation analysis under a reinforcement learning framework. *Annals of Statistics*, 53, 400-425.
- [2] Zhou, X., Xia, Y., and **Li**, **L**. (2025). Estimation and inference for high-dimensional multiresponse growth curve model. *Statistica Sinica*, 10.5705/ss.202024.0307.
- [3] Li, M., Li, L., and Kang, J. (2025). Bayesian inference of spatially varying correlations via the thresholded correlation Gaussian process. *Statistica Sinica*, 10.5705/ss.202023.0312.
- [4] Ma, L., Xia, Y., and **Li, L.** (2025). NAPA: neighborhood-assisted and posterior-adjusted two-sample inference. *Statistica Sinica*, 35, 10.5705/ss.202022.0314
- [5] Lee, C.E, Zhang, X., and Li, L. (2025). Mean dimension reduction and testing for non-parametric tensor response regression. *Statistica Sinica*, 35, 10.5705/ss.202022.0075.
- [6] Jiang, F., Tian, L., Kang, J., and **Li, L.** (2025). High-dimensional subgroup regression analysis. *Statistica Sinica*, 35, 1713-1736
- [7] Shi, C., Zhou, Y., and **Li, L.** (2024). Testing directed acyclic graph via structural, supervised and generative adversarial learning. *Journal of the American Statistical Association*, 119, 1833-1846.
- [8] Zhou, X., Hao, B., Lattimore, T., Kang, J., and **Li, L.** (2024). Sequential best-arm identification with application to P300 speller. *Transactions on Machine Learning Research*, August, 1-20.
- [9] Lyu, X., Kang, J., and **Li, L.** (2024). High-dimensional multi-subject time series transition matrix inference with application to brain connectivity analysis. *Biometrics*, 80, ujae021, 1-12.

- [10] Lee, K.Y., Li, L., and Li, B. (2024). Functional directed acyclic graphs. *Journal of Machine Learning Research*, 25, 1-48.
- [11] Dai, X. and Li, L. (2024). Post-regularization confidence bands for ordinary differential equations. *Journal of Machine Learning Research*, 25, 1-51.
- [12] Li, J.J., Shi, C., Li, L., and Collins, A.G.E. (2024). Dynamic noise estimation: a generalized method for modeling noise fluctuations in decision-making. *Journal of Mathematical Psychology*, 119, 102842.
- [13] Zhang, D., Li, L., Sripada, C., and Kang, J. (2023). Image response regression via deep neural networks. *Journal of the Royal Statistical Society, Series B.*, 85, 1589-1614.
- [14] Zhou, Y., Shi, C., **Li, L.**, and Yao, Q. (2023). Testing for the Markov property in time series via deep conditional generative learning, *Journal of the Royal Statistical Society, Series B.*, 85, 1204-1222.
- [15] Dai, X., Lyu, X., and **Li, L.** (2023). Kernel knockoffs selection for nonparametric additive models. *Journal of the American Statistical Association*, 118, 2158-2170.
- [16] Li, L., Zeng, J., and Zhang, X. (2023). Generalized liquid association analysis for multimodal neuroimaging. *Journal of the American Statistical Association*, 118, 1984-1996.
- [17] Dai, X. and Li, L. (2023). Orthogonalized kernel debiased machine learning for multimodal data analysis. *Journal of the American Statistical Association*, 118, 1796-1810.
- [18] Lee, K.Y., Li, L., Li, B., and Zhao, H. (2023). Nonparametric functional graphical modeling through functional additive regression operator. *Journal of the American Statistical Association*, 118, 1718-1732.
- [19] Tang, X. and Li, L. (2023). Multivariate temporal point process regression. *Journal of the American Statistical Association*, 118, 830-845.
- [20] Zhou, J., Sun, W.W., Zhang, J., and Li, L. (2023). Partially observed dynamic tensor response regression. *Journal of the American Statistical Association*, 118, 424-439.
- [21] Lee, K.Y., Ji, D., Li, L., Constable, T., and Zhao, H. (2023). Conditional functional graphical models. *Journal of the American Statistical Association*, 118, 257-271.
- [22] Zhang, J., Sun, W.W., and **Li, L.** (2023). Generalized connectivity matrix response regression with applications in brain connectivity studies. *Journal of Computational and Graphical Statistics*, 32, 252-262.
- [23] Lyu, X., Kang, J., and Li, L. (2023). Statistical inference for high-dimensional vector autoregression with measurement error. *Statistica Sinica*, 33, 1435-1459.
- [24] Zhou, Y., Shi, C., Qi, Z., and Li, L. (2023). Optimizing pessimism in dynamic treatment regimes: a Bayesian learning approach. *Proceedings of Machine Learning Research*, 206, 1-18.
- [25] Li, Q., and Li, L. (2022). Integrative factor regression and its inference for multimodal data analysis. *Journal of the American Statistical Association*, 117, 2207-2221.
- [26] Shi, C., and Li, L. (2022). Testing mediation effects using logic of Boolean matrices. *Journal of the American Statistical Association*, 117, 2014-2027.

- [27] Dai, X., and Li, L. (2022). Kernel ordinary differential equations. *Journal of the American Statistical Association*, 117, 1711-1725.
- [28] Lee, K.Y., and Li, L. (2022). Functional structural equation model. *Journal of the Royal Statistical Society, Series B.*, 84, 600-629.
- [29] Lee, K.Y. and Li, L. (2022). Functional sufficient dimension reduction through average Frechet derivatives. *The Annals of Statistics*, 50, 904–929.
- [30] Li, L., Shi, C., Guo, T., and Jagust, W.J. (2022). Sequential pathway inference for multimodal neuroimaging analysis. *Stat*, 11:e433.
- [31] Liu, Y., Li, L., and Wang, X. (2022). A nonlinear sparse neural ordinary differential equation model for multiple functional processes. *The Canadian Journal of Statistics*, 50, 59-85.
- [32] Luo, L. and Li, L. (2022). Online two-way estimation and inference via linear mixed-effects models. *Statistics in Medicine*, 41, 5113–5133.
- [33] Xia, Y., and Li, L. (2022). Hypothesis testing for network data with power enhancement. *Statistica Sinica*, 32, 293-321.
- [34] Virta, J., Lee, K.Y., and Li, L. (2022). Sliced inverse regression in metric spaces. *Statistica Sinica*, 32, 2315-2337.
- [35] Zhao, Y., and Li, L. (2022). Multimodal data integration via mediation analysis with high-dimensional exposures and mediators. *Human Brain Mapping*, 43, 2519–2533.
- [36] Shi, C., Xu, T., Bergsma, W., and **Li, L.** (2021). Double generative adversarial networks for conditional independence testing. *Journal of Machine Learning Research*, 22, 1-32.
- [37] Sun, W.W., Hao, B., and **Li, L.** (2021). Tensor data analysis. Book chapter in *Computational Statistics in Data Science*, Edited by Piegorsch, W.W., Levine, R.A., Zhang, H.H., and Lee, T.C.M. Wiley, 269-296.
- [38] Wang, Y.R., Li, L., Li, J.J. and Huang, H. (2021). Network modeling in biology: statistical methods for gene and brain networks. *Statistical Science*, 36, 89-108.
- [39] Ye, Y., Xia, Y., and Li, L. (2021). Paired test of matrix graphs and brain connectivity analysis. *Biostatistics*, 22, 402-420.
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- [42] Xia, Y., Li, L., Lockhart, S.N., Jagust, W. (2020). Simultaneous covariance inference for multimodal integrative analysis. *Journal of the American Statistical Association*, 115, 1279-1291
- [43] Kim, K., Li, B., Yu, Z., and Li, L. (2020). On post dimension reduction statistical inference. *The Annals of Statistics*, 48, 1567-1592.
- [44] Wang, M., and Li, L. (2020). Learning from binary multiway data: probabilistic tensor

- decomposition and its statistical optimality. *Journal of Machine Learning Research*, 21, 1-38.
- [45] Guo, X., **Li, L.**, and Wu, Q. (2020). Modeling interactive components by coordinate kernel polynomial models. *Mathematical Foundations of Computing*, 3, 263-277.
- [46] Sun, W.W. and Li, L. (2019). Dynamic tensor clustering. *Journal of the American Statistical Association*, 114, 1894-1907.
- [47] Wang, W., Zhang, X., and Li, L. (2019). Common reducing subspace model and network alternation analysis. *Biometrics*, 75, 1109-1120.
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- [50] **Li, L.**, Kang, J., Lockhart, S.N., Adams, J., and Jagust, W. (2019). Spatially adaptive varying correlation analysis for multimodal neuroimaging data. *IEEE Transactions on Medical Imaging*, 38, 113-123.
- [51] Zhu, Y. and Li, L. (2018). Multiple matrix Gaussian graphs estimation. *Journal of the Royal Statistical Society, Series B.*, 80, 927-950.
- [52] Li, Q. and Li, L. (2018). Integrative linear discriminant analysis with guaranteed error rate improvement. *Biometrika*, 105, 917-930.
- [53] Li, X., Xu, D., Zhou, H., and Li, L. (2018). Tucker tensor regression and neuroimaging analysis. *Statistics in Biosciences*, 10, 520-545.
- [54] Adams J.N., Lockhart, S.N., **Li, L.**, and Jagust, W.J. (2018). Relationships between tau and glucose metabolism reflect Alzheimer's disease pathology in cognitively normal older adults. *Cerebral Cortex*, 29, 1997-2009.
- [55] **Li, L.** (2018). Sufficient dimension reduction. *Wiley StatsRef: Statistics Reference Online*, 1-8.
- [56] Li, L. and Zhang, X. (2017). Parsimonious tensor response regression. *Journal of the American Statistical Association*, 112, 1131-1146.
- [57] Sun, W.W. and Li, L. (2017). Sparse tensor response regression and neuroimaging analysis. *Journal of Machine Learning Research*, 18, 4908-4944.
- [58] Zhang, X. and **Li, L.** (2017). Tensor envelope partial least squares regression. *Technometrics*, 59, 426-436.
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- [61] Kang, J. and Li, L. (2016). Discussion of "Fiber direction estimation, smoothing and

- tracking in diffusion MRI" by R. Wong, et al. *The Annals of Applied Statistics*, 10, 1162-1165
- [62] Guo, Z., Li, L., Lu, W., and Li, B. (2015). Groupwise dimension reduction via envelope method. *Journal of the American Statistical Association*, 110, 1515-1527.
- [63] Zhou, H., and Li, L. (2014). Regularized matrix regression. *Journal of the Royal Statistical Society, Series B.*, 76, 463-483.
- [64] Ding, X., Li, L., and Zhu, L.X. (2014). Goodness-of-fit testing-based selection for large-p-small-n problems: a two-stage ranking approach. *Journal of Statistical Planning and Inference*, 145, 148-164.
- [65] Zhao, J., Leng, C., Li, L., and Wang, H. (2013). High dimensional influence measure. *The Annals of Statistics*, 41, 2639-2667.
- [66] Zhou, H., Li, L., and Zhu, H. (2013). Tensor regression with applications in neuroimaging data analysis. *Journal of the American Statistical Association*, 108, 540-552.
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- [83] **Li, L.**, and Yin, X. (2009). Longitudinal data analysis using sufficient dimension reduction method. *Computational Statistics and Data Analysis*, 53, 4106-4115.
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GRANTS

▶ NIH UG3NS140730.

12/2024 - 11/2029

Simplified, scalable 24-hour adaptive deep brain stimulation for Parkinson's disease Co-Investigator (PIs: Simon Little and Philip Starr)

▶ NIH R01AG080043.

▶ NSF CIF-2102227.

09/2023 - 08/2028

The blood-brain barrier and Alzheimer pathology Co-Investigator (PI: William Jagust)

07/2021 - 06/2024

*Collaborative Research: Graphical Modeling of Multivariate Functions.*Principle Investigator

▶ NSF I-Corps-2133869.

06/2021 - 11/2022

Hilbert Matching.
Principle Investigator

NIH R01AG062542.

09/2019 - 08/2024

Mechanisms of Alzheimer's Disease Progression in the Aging Brain Co-Investigator (PI: Susan Landau)

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▶ NIH R01AG061303.

02/2019 - 11/2022

New Statistical Methods for Multicenter Multimodal Longitudinal Neuroimaging Analysis. Principle Investigator

▷ NIH R01AG034570.

09/2016 - 08/2021

Neural and Biochemical Mechanisms of Cognitive Aging Co-Investigator (PI: William Jagust)

▶ NSF DMS-1613137.

09/2016 - 08/2019

Collaborative Research: Tensor Envelope Model - A New Approach for Regressions with Tensor Data. Principle Investigator

▶ NSF DMS-1310319.

07/2013 - 06/2016

Tensor Regressions and Applications in Neuroimaging Data Analysis.

Co-Principle Investigator (Co-PI: Hua Zhou)

▶ NSF DMS-1106668.

07/2011 - 06/2014

New Dimension Reduction Approaches for Modern Scientific Data with High Dimensionality and Complex Structure.

Principle Investigator

▶ Research Grants Council of Hong Kong

01/2010 - 12/2011

On Inference and Variable Selection for Semiparametric Models with High Dimensional Predictors. Co-Principle Investigator (Co-PI: Lixing Zhu)

NSF DMS-0706919. 09/2007 - 09/2010
 Sufficient Dimension Reduction for Missing, Censored, and Correlated Data.
 Principle Investigator

PRESENTATIONS

► Invited Conference Talks	
▷ Joint Statistical Meetings, Nashville, TN	08/2025
 Workshop on Foundation Models and their Biomedical Applications, Banff, Canada 	08/2025
 Workshop on Statistical Network Analysis and Beyond, Tokyo, Japan 	06/2025
 Workshop on Frontiers of Statistical Network Analysis, Singapore City, Singapore 	05/2025
▷ IMSI Workshop on Statistics Meets Tensors, Chicago, IL	05/2025
▷ ENAR, New Orleans, LA	03/2025
▷ Biostatistics Symposium of Southern California, Irvine, CA	02/2025
▷ Joint Statistical Meetings, Portland, OR	08/2024
▷ IMSI Workshop on Challenges in Neuroimaging Data Analysis, Chicago, IL	08/2024
▷ Workshop on Statistical Analyses of Multi-Outcome Data, Salzburg, Austria	07/2024
▷ Statistical and Machine Learning Applications in Biomedical Sciences, Irvine, CA	02/2024
▷ First MBZUAI Workshop on Statistics for the Future of AI, Abu Dhabi, UAE	01/2024
▷ IMS International Conference on Statistics and Data Science, Lisbon, Portugal	12/2023
▷ Joint Statistical Meetings, Toronto, Canada	08/2023
▷ Annual Conference for Statistical Methods in Imaging, Minneapolis, MN	05/2023
▷ IMS International Conference on Statistics and Data Science, Florence, Italy	12/2022
▷ Joint Statistical Meetings, Washington, D.C.	08/2022
 Annual Conference for Statistical Methods in Imaging, Nashville, TN 	05/2022
 Workshop on New Challenges and Novel Solutions in Statistics and Data Science Irvine, CA 	e, 04/2022
▷ ENAR, Houston, TX	03/2022
▷ Joint Statistical Meetings, Seattle, WA	09/2021
▷ Annual Conference for Statistical Methods in Imaging, Atlanta, GA	05/2021
▷ Pacific Causal Inference Conference, Beijing, China	09/2020
▷ Joint Statistical Meetings, Philadelphia, PA	08/2020
▷ Joint Statistical Meetings, Denver, CO	08/2019

\triangleright	International Workshop on Perspectives on High-dimensional Data Analysis, Uppsala, Sweden	06/2019
\triangleright	International Conference on Frontiers of Data Science, Hangzhou, China	05/2019
\triangleright	Computational and Methodological Statistics Workshop, Pisa, Italy	12/2018
\triangleright	Joint Statistical Meetings, Vancouver, Canada	08/2018
\triangleright	Peter Hall Memorial Conference, Davis, CA	05/2018
\triangleright	Joint Statistical Meetings, Baltimore, MD	08/2017
\triangleright	ISI World Statistics Congress, Marrakech, Morocco	07/2017
\triangleright	International Conference on Econometrics and Statistics, Hong Kong, China	06/2017
\triangleright	ENAR, Washington, DC	03/2017
\triangleright	ICSA International Conference, Shanghai, China	12/2016
\triangleright	Joint Statistical Meetings, Chicago, IL	08/2016
\triangleright	Annual Conference for Statistical Methods in Imaging, Aurora, CO	06/2016
\triangleright	SAMSI Workshop on Challenges in Functional Connectivity Modeling and Anal Durham, NC	ysis, 04/2016
\triangleright	Workshop on Mathematical and Statistical Challenges in Neuroimaging Data An Banff, Canada	nalysis, 02/2016
\triangleright	IMS International Conference on Statistics and Probability, Kunming, China	06/2015
\triangleright	SRCOS Summer Research Conference, Carolina Beach, NC	06/2015
\triangleright	Inaugural Conference for Statistical Methods in Imaging, Ann Arbor, MI	05/2015
\triangleright	International Conference on Advances in Interdisciplinary Statistics and Combine Plenary Speaker, Greensboro, NC	natorics, 10/2014
\triangleright	ICSA and KISS Applied Statistics Symposium, Portland, OR	06/2014
\triangleright	International Conference on Statistics and Probability, Chengdu, China	07/2013
\triangleright	Workshop on Meeting the Challenges of High Dimension, Singapore City, Singapore	10/2012
\triangleright	European Conference on Computational Biology, Basel, Switzerland	09/2012
\triangleright	Second IMS Asia Pacific Rim Meeting, Tsukuba, Japan	07/2012
\triangleright	Joint Statistical Meetings, Miami, FL	08/2011
\triangleright	ICSA Applied Statistics Symposium, New York, NY	06/2011
\triangleright	First Joint Biostatistics Symposium, Beijing, China	07/2010
\triangleright	International Conference on Statistical Analysis of Complex Data, Kunming, China	07/2010
\triangleright	ENAR, New Orleans, LA	03/2010
\triangleright	Summer Research Conference, Jekyll Island, GA	06/2009

 ▶ Workshop on Future Directions in High-Dimensional Analysis, Cambridge, UK 06/2008 ▶ ICSA Applied Statistics Symposium, Piscataway, NJ 06/2008 ▶ Current and Future Trends in Nonparametrics Conference, Columbia, SC 10/2007 ▶ International Conference on Bioinformatics, Hangzhou, China 06/2007 ▶ ICSA Applied Statistics Symposium, Raleigh, NC 06/2007 ▶ Spring Research Conference, Technometrics Invited Session, Ames, IA 05/2007 ▶ ENAR, IMS Invited Session, Tampa, FL 03/2006 ▶ Quality and Productivity Research Conference, Minneapolis, MN 05/2005 ▶ Invited Seminar Talks ▶ Department of Statistics and Data Science, Washington University, St Louis 09/2025 ▶ Department of Biomedical Data Science, Washington University 11/2024 ▶ Biostatistics Group, King Abdullah University of Science and Technology 11/2024 ▶ Department of Biostatistics, University of Science and Technology 11/2024 ▶ Department of Biostatistics, University of North Carolina, Chapel Hill 10/2024 ▶ Department of Statistics, University of California, Davis 09/2024 ▶ Department of Statistics, University of California, Riverside 03/2024 ▶ Statistics Laboratory, University of Cambridge 08/2023 ▶ Department of Statistics, Tech University of Vinnea 06/2023 ▶ Department of Statistics, Chinese University of Hong Kong 04/2023 ▶ Department of Statistics, Harvard University 09/2024 ▶ Department of Statistics, Stony Brook University 11/2022 ▶ Department of Statistics, Stony Brook University 11/2022	⊳ Ioint S	ratictical Mootings, Donyor CO	08/2008
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 ▷ Current and Future Trends in Nonparametrics Conference, Columbia, SC □ International Conference on Bioinformatics, Hangzhou, China □ ICSA Applied Statistics Symposium, Raleigh, NC □ Spring Research Conference, Technometrics Invited Session, Ames, IA □ ENAR, IMS Invited Session, Tampa, FL □ Quality and Productivity Research Conference, Minneapolis, MN □ Department of Statistics and Data Science, Washington University, St Louis □ Department of Statistics, University of California, Los Angeles □ Department of Biomedical Data Science, Stanford University □ Department of Biostatistics, Duke University of Science and Technology □ Department of Biostatistics, University of North Carolina, Chapel Hill □ Department of Statistics, University of California, Davis □ Department of Statistics, University of California, Riverside □ Department of Statistics, University of California, Riverside □ Department of Statistics, University of Cambridge □ Department of Statistics, Tech University of Vinnea □ Department of Statistics, Chinese University of Hong Kong □ Department of Statistics, Rutgers University □ Department of Statistics, Rice University			
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 ▷ Biostatistics Group, King Abdullah University of Science and Technology ▷ Department of Biostatistics, Duke University ▷ Department of Biostatistics, University of North Carolina, Chapel Hill ▷ Department of Statistics, University of California, Davis ○ Department of Statistics, University of California, Riverside ○ Statistics Laboratory, University of Cambridge ○ Statistics Laboratory, University of Vinnea ○ Department of Statistics, Tech University of Vinnea ○ Department of Biomedical Data Science, Stanford University ○ Department of Statistics, Chinese University of Hong Kong ○ Department of Biostatistics, Harvard University ○ Department of Statistics, Rutgers University ○ Department of Statistics, Rutgers University ○ Department of Statistics, Stony Brook University ○ Department of Statistics, Rice University ○ Department of Statistics, Rice University 	▷ Depart	ment of Statistics, University of California, Los Angeles	04/2025
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 ▷ Statistics Laboratory, University of Cambridge ▷ Department of Statistics, Tech University of Vinnea ▷ Department of Biomedical Data Science, Stanford University ▷ Department of Statistics, Chinese University of Hong Kong ○ Department of Biostatistics, Harvard University ○ Department of Statistics, Rutgers University ○ Department of Statistics, Stony Brook University ○ Department of Statistics, Stony Brook University ○ Department of Statistics, Rice University ○ Department of Statistics, Rice University 	▷ Depart	ment of Statistics, University of California, Davis	09/2024
 Department of Statistics, Tech University of Vinnea Department of Biomedical Data Science, Stanford University Department of Statistics, Chinese University of Hong Kong Department of Biostatistics, Harvard University Department of Statistics, Rutgers University Department of Statistics, Stony Brook University Department of Statistics, Stony Brook University Department of Statistics, Rice University Department of Statistics, Rice University 	▷ Depart	ment of Statistics, University of California, Riverside	03/2024
 Department of Biomedical Data Science, Stanford University Department of Statistics, Chinese University of Hong Kong Department of Biostatistics, Harvard University Department of Statistics, Rutgers University Department of Statistics, Stony Brook University Department of Statistics, Stony Brook University Department of Statistics, Rice University Department of Statistics, Rice University 	⊳ Statisti	cs Laboratory, University of Cambridge	08/2023
 Department of Statistics, Chinese University of Hong Kong Department of Biostatistics, Harvard University Department of Statistics, Rutgers University Department of Statistics, Stony Brook University Department of Statistics, Stony Brook University Department of Statistics, Rice University 11/2022 	▷ Depart	ment of Statistics, Tech University of Vinnea	06/2023
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 Department of Statistics, Rutgers University Department of Statistics, Stony Brook University Department of Statistics, Rice University Department of Statistics, Rice University 	▷ Depart	ment of Statistics, Chinese University of Hong Kong	04/2023
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Department of biostatistics, Chiversity of Texas freatur Science Center 11/2022	⊳ Depart	ment of Biostatistics, University of Texas Health Science Center	11/2022
⊳ School of Statistics, University of Minnesota 10/2022	⊳ School	of Statistics, University of Minnesota	10/2022
▷ Department of Statistics, Stanford University 03/2022	▷ Depart	ment of Statistics, Stanford University	03/2022
▷ Department of Statistics, City University of Hong Kong 05/2021	▷ Depart	ment of Statistics, City University of Hong Kong	05/2021
▷ Department of Statistics, University of Illinois, Urbana-Champaign 04/2021	⊳ Depart	ment of Statistics, University of Illinois, Urbana-Champaign	04/2021
▷ Department of Statistics, Ohio State University 04/2021	⊳ Depart	ment of Statistics, Ohio State University	04/2021
▷ Department of Biostatistics, University of Pittsburg 03/2021	▷ Depart	ment of Biostatistics, University of Pittsburg	03/2021

Department of Biostatistics and Epidemiology, University of Pennsylvania	10/2019
▷ Department of Statistical Science, Temple University	10/2019
▷ Department of Biomedical Data Science, Stanford University	03/2019
Department of Biostatistics, University of Michigan	11/2018
Department of Statistics, University of California, Irvine	10/2017
Department of Biostatistics, University of California, Los Angeles	10/2017
Department of Biostatistics, University of Minnesota	10/2017
Department of Statistics, Fudan University, China	07/2017
Department of Applied Mathematics and Statistics, University of California, San	nta Cruz 05/2017
▷ Department of Biostatistics, Columbia University	04/2017
Department of Statistics, University of North Carolina, Chapel Hill	04/2016
Department of Biostatistics, University of Washington	03/2016
▶ Department of Epidemiology and Biostatistics, University of California, San Fra	ncisco 10/2015
▷ Adobe, Inc., San Jose, CA	08/2015
Department of Statistics, Southwestern University of Finance and Economics, C	hina 07/2015
▷ Department of Mathematics, University of Electronic Science and Technology, C	
	07/2015
□ Genentech, Inc., San Francisco, CA	05/2015
Department of Statistics, University of California, Berkeley	09/2014
Division of Biostatistics, University of California, Berkeley	01/2014
Department of Statistics, Stanford University	03/2013
 Department of Applied Mathematics and Statistics, University of California, Sar 	nta Cruz 01/2013
▶ Marshall School of Business, University of Southern California	11/2012
Department of Statistics, University of California, Davis	02/2012
▷ Division of Biostatistics, Stanford University	10/2011
▷ Center for Imaging and Neurodegenerative Diseases, San Francisco	09/2011
▷ Department of Biostatistics, Columbia University	04/2011
▷ Department of Environmental Medicine, New York University	04/2011
▷ Department of Statistics, University of Missouri	03/2011
▶ Department of Statistics and Applied Probability, National University of Singap	ore 06/2010

Department of Statistics and Probability, Michigan State University	03/2010
▷ Department of Statistics, University of Illinois, Urbana Champaign	02/2010
▶ Department of Statistics, University of Toronto	11/2009
⊳ School of Statistics, University of Minnesota	09/2009
▷ Department of Statistics, Stanford University	07/2009
▶ Booth School of Business, University of Chicago	05/2009
▶ The Methodology Center, Penn State University	02/2009
▷ Biostatistics Branch, National Institute of Environmental Health Sciences	10/2008
▷ School of Public Health, Biostatistics Program, Yale University	09/2008
▷ Department of Statistics, University of Virginia	04/2008
▷ Department of Statistical Science, Duke University	03/2008
▷ Department of Mathematics, Hong Kong Baptist University	12/2007
▷ Department of Statistics, University of North Carolina, Chapel Hill	12/2007
▷ Department of Statistics, Penn State University	11/2007
▷ Department of Statistics, Oregon State University	05/2007
▷ Department of Bioinformatics and Biostatistics, University of Louisville	04/2006
▷ Department of Statistics, University of Georgia	11/2005
Department of Biostatistics, University of Minnesota	02/2005
▷ Department of Biostatistics, Johns Hopkins University	02/2005
▷ Department of Biostatistics, University of Washington	02/2005
▷ Department of Statistics, North Carolina State University	02/2005
▷ Department of Biostatistics, Emory University	02/2005
▷ Department of Mathematics and Statistics, University of Massachusetts, A	mherst 01/2005
▷ Center for Statistical Sciences, Brown University	01/2005
▷ Department of Statistics, University of Illinois, Urbana Champaign	01/2005
▷ Department of Statistics, Northwestern University	01/2005
▷ Institute for Data Analysis and Visualization, University of California, Da	avis 11/2003
Invited Short Courses	
▷ Northeast Normal University, Statistics Graduate Summer Program	07/2013
▶ SAS Institute, JMP Group	05/2007
	30, 2001

TEACHING EXPERIENCE

▷ Introduction to Multivariate Statistics. UC Berkeley

Fall, 2014-2025

▷ Big Data: A Public Health Perspective. UC Berkeley
Spring, 2015-2024

▶ Advanced Topic: Big Data, a Statistical Perspective. NCSU
Fall, 2013

▶ Nonlinear Models for Univariate and Multivariate Responses. NCSU
Fall, 2013, 2010

▶ Advanced Topic: Introduction to Dimension Reduction for Regression. NCSU

Fall, 2009, 2007

▶ Introduction to Probability and Distribution Theory. NCSU Spring, 2008, 2007

▶ Introduction to Statistical Inference and Regression. NCSU

Fall, 2009, Fall, 2008, Spring, 2006, Fall, 2005

▶ Introduction to Statistical Analysis. University of Minnesota
Fall, 2002

CONSULTING EXPERIENCE

Statistical Consulting Center, University of Minnesota
 Statistical Consulting Center, 3M St Paul, MN (Intern)
 Summer 1999, Summer, 2000

PROFESSIONAL SERVICES

- ▶ Editor-in-Chief, Annals of Applied Statistics, 2025-2027.
- Standing Member, NIH Emerging Imaging Technologies in Neuroscience (EITN) Study Section, 2023-2027.
- ▷ Associate Editor, Journal of the American Statistical Association, 2014-present.
- ▶ Associate Editor, *Journal of the Royal Statistical Society, Series B.*, 2024-present.
- ▶ Associate Editor, *Journal of Computational and Graphical Statistics*, 2023-present.
- ▶ Associate Editor, Statistics in Biosciences, 2021-2024.
- ▶ Associate Editor, *Annals of Applied Statistics*, 2022-2024.
- ▶ Associate Editor, *Journal of Statistical Theory and Practice*, 2019-2023.
- ▶ Associate Editor, *Technometrics*, 2013-2018.
- ▶ Program Chair, American Statistical Association, Section on Statistics in Imaging, 2017.