Curriculum Vitae

Runze Li (October 6, 2025)

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Education

Ph.D. in Statistics, (1996-2000), Department of Statistics, University of North Carolina at Chapel Hill.

Ph.D. Dissertation: High-dimensional modeling via nonconcave penalized likelihood and local likelihood.

Advisers: Professors Jianqing Fan and James S. Marron.

M.S. in Statistics, (1990–1993), Academia Sinica, Beijing, China.

B.S. in Mathematics, (1986–1990), Beijing Normal University, Beijing, China.

Academic Experience

- 2018 present, Eberly Family Chair in Statistics, The Pennsylvania State University at University Park.
- 2016 present, Faculty Member of Penn State Cancer Institute, The Pennsylvania State University at Hershey.
- 2008 present, Professor, Department of Public Health Sciences, College of Medicine, The Pennsylvania State University at Hershey. (Courtesy Appointment)
- 2018 2023 Associate Head, Department of Statistics, The Pennsylvania State University at University Park.
- 2016 2023, Co-Director of Penn State Center for Statistical Genetics.
- 2001 2020, Faculty Member of the Methodology Center, The Pennsylvania State University at University Park.
- 2014 2018, Verne M. Willaman Professor of Statistics, The Pennsylvania State University at University Park.
- 2012-2014, Distinguished Professor of Statistics, The Pennsylvania State University at University Park.

- 2008 2012, Professor, Department of Statistics, The Pennsylvania State University at University Park.
- 2007 2012, Chair of statistical graduate study, Department of Statistics, The Pennsylvania State University at University Park. Also served Co-Chair for graduate study committee from 2016 to 2017.
- 2005 2008, Associate Professor, Department of Statistics, The Pennsylvania State University at University Park.
- 2000 2005, Assistant Professor, Department of Statistics, The Pennsylvania State University at University Park.
- 1993 1996, Research Assistant Professor, Institute of Applied Mathematics, Academia Sinica, Beijing.

Awards and Honors

- 2024 Carver Medal, Institute of Mathematical Statistics.
- 2023 Distinguished Mentoring Award, Eberly College of Science, Penn State University.
- 2023 IMS Medallion Lecturer at Joint Statistical Meetings, August 5-10, 2023 in Toronto
- Top scholar (top 0.5% of all scholars worldwide) by ScholarGPS in 2023, 2024.

https://scholargps.com/scholars/50376323903910/runze-li

World's top 2% scientists ranked by Stanford University in Years 2019 – 2025

(https://topresearcherslist.com/ or

https://elsevier.digitalcommonsdata.com/datasets/btchxktzyw/8)

- 2018 Faculty Research Recognition Awards for Outstanding Collaborative Research. College of Medicine, Penn State University.
- 2017 International Consortium Chinese Mathematicians best paper award.
- Elected Fellow, the American Association for the Advancement of Science, 2017.
- The Distinguished Achievement Award of International Chinese Statistical Association, 2017
- Highly Cited Researchers in Cross-Field (https://clarivate.com/highly-cited-researchers/) in Year 2022
- Highly Cited Researchers in Mathematics (https://clarivate.com/highly-cited-researchers/) in Years 2014 2020
- The Canadian Journal of Statistics Award 2016.

The United Nations' World Meteorological Organization (WMO) 2012 Gerbier-Mumm International Award. (See selection criterion for this award at http://www.wmo.int/pages/about/awards/guidelines_mumm_en.html)

Best paper award in Journal of Nonparametric Statistics 2012.

Elected Fellow, American Statistical Association

Elected Fellow, Institute of Mathematical Statistics

NSF Career Award, 2004.

American Statistical Association Biometrics Section Travel Award in recognition of an excellent contributed paper at JSM 2002.

Hoeffding Fellowship at UNC-CH, 1997.

Merit Teaching Assistantship at UNC-CH (1996-1997).

The President's Scholarship of Chinese Academy of Sciences, 1993.

Distinguished Professional Services

A. Editorial board services:

Co-editor of Journal of American Statistical Association, 2026—2029.

Co-Editor of Annals of Statistics for 2013—2015.

Associate Editor of Annals of Statistics: 2007—2012

Associate Editor of Journal of American Statistical Association: 2006—present

Associate Editor of Annals of Mathematical Sciences and Applications: 2015—present

Editorial board member of Science China: Mathematics: 2018—present

Associate Editor of Journal of Multivariate Analysis: 2019—present

Associate Editor of Electronic Journal of Statistics: 2022—present

Guest Co-Editor of Science China: Mathematics (Chinese Version), Volume 50, Issue 5, 2020

Associate Editor of Statistica Sinica: 2005—2012

B. Organization of professional conferences:

Associate Chair for Machine Learning and AI, Scientific Program Committee for the 2nd China Joint Statistical and Data Science Meetings (CJSM) July 12-14, 2024, Kunming, P.R. China.

Scientific Program Committee of the Inaugural China Joint Statistical and Data Science Meetings (CJSM) July 10-13, 2023, Beijing, P.R. China.

- Chair of Scientific Program Committee of International Conference on Big Data and Statistical Interdisciplinary Sciences, July 4 6, 2023, East China Normal University, Shanghai, P.R. China.
- Chair of Scientific Program Committee of Statistical Foundations of Data Science and Their Application. May 8 10, 2023, Princeton University, USA.
- Vice Chair of scientific program committee of Bernoulli Society's World Probability and Statistics Congress, August 2020 Seoul, Korea.
- Scientific program committee member for the 2019 International Conference on Data Science, December 13 - 15, 2019, Fudan University, Shanghai, P. R. China.
- Scientific program committee member for the 2018 International Chinese Statistical Association (ICSA-China) conference, July 2 5, 2018, Qingdao, P. R. China
- Scientific program committee member for the Nankai Alumni Statistics Forum, July 6 8, 2015, Tianjin, P. R. China
- Scientific program committee member for the 10th Frontier Statistics, June 24 26, 2015, Beijing, P. R. China
- Scientific program committee member for the 1st International Conference on Big Data and Applied Statistics, Beijing, P.R. China, 2014.
- Chair of scientific program committee for the 4th IMS China, July 1 4, 2013, Chengdu, China.
- Member of scientific program committee for The Second Taihu Lake (Su Zhou) International Statistics Forum, July 6-8, 2013, Suzhou, China.
- Co-chair of scientific program committee for the second IMS Asia Pacific Rim meeting in 2012, Tokyo, Japan.
- Member of scientific program committee of ICSA 2011 Applied Statistics Symposium. New York City, NY.
- Co-chair of scientific program committee for the first IMS Asia Pacific Rim meeting in 2009, Seoul, Korea
- ASA Biometrics Section program chair for JSM 2007, August 2007, Salt Lake City, Utah
- IMS program chair for ENAR05, Austin, Texas.

C. Service to professional organizations:

- Chair of Publication Committee, The International Chinese Statistical Association, 2023, 2024, 2025.
- Chair-elect, Chair and Past-Chair of ASA Nonparametric Statistics Section, 2019-2021.
- Member of IMS Committee to Select Editors, 2020.

Member of publication committee, IMS, 2013-2015.

Member of committee on special lectures, IMS, 2012 - 2014.

Co-Chair for the Committee on Asia Pacific Rim Meeting of Institute of Mathematical Statistics (September 2007- August 2012)

Member of committee on federally funded research of American Statistical Association, 2010-2012.

Directors of International Chinese Statistical Association (ICSA) Board, 2007-2009

ASA Biometrics Section executive committee member, 2006 - 2008

Grant Support

- Collaborative Research: NSF-SNSF: Tail-robust Analysis of High-dimensional Nonstationary Time Series. National Science Foundation, DMS 2514400, Sole Principal Investigator, 09/01/2025 - 08/31/2028. Total: \$175,000.
- 2. DMS/NIGMS 2: Novel Statistical Methods, Algorithms, and Pipelines for Learning Omics Data with Complex Heterogeneity (NIH R01GM163244, PI Wen Zhou). Subcontract from New York University. Sole Principal Investigator. 07/2025-06/2029 Amount: \$338,484
- 3. Wells Fargo Gift fund. Sole Principal Investigator, 07/01/2024 . Amount: \$50,000.
- Leveraging Big Data Science to Focus the HIV Response in Countries with Generalized HIV Epidemics. (NIH R01AI170249, PI: Stefan D. Baral). Subcontract from Johns Hopkins University, Co-investigator (Subcontract PI: Le Bao). 07/2022-06/2026. Amount: \$822,756.
- 5. Cross-Disciplinary Neural Engineering (CDNE) Training Program. 1T32NS115667-01A1, Senior personnel, (PI: Bruce J. Gluckman). 07/2021 06/2026. Amount: \$1,262,805.
- 6. Methodology and measurement for examining short-term and long-term effects of e-cigarette and polysubstance use (NIH R01DA049154 PI: Anne Buu) Subcontract from University of Texas Health Science Center. **Sole Principal Investigator** of this subcontract. 7/1/2020-6/30/2024. Amount: ≈\$170,000.
- 7. Estimating causes of death in high data quality settings: a Bayesin hierarchical model approach, World Health Organization, co-investigator (PI: Le Bao), 11/01/2023 12/31/2023. Amount: \$30,000.
- 8. Statistical Models for Estimating and Projecting HIV/AIDS Epidemics, National Institute of Health, R01AI136664. Co-Investigator for 09/2021-08/2023, (PI: Le Bao), 09/2017-08/2023. Amount: \$3,585,943.
- 9. Collaborative Research: High-Dimensional Decision Making and Inference with Applications for Personalized Medicine. National Science Foundation, DMS 2015539, co-PI (PI: Ethan X. Fang). 06/15/2020 05/31/2023. Total: \$160,000.

- 10. Collaborative Research: Algorithms for Optimal Adaptive Enrichment Design in Randomized Trial. National Science Foundation, DMS 1953196, co-PI (PI: Ethan X. Fang). 06/01/2020 05/31/2023. Total: \$200,000.
- Optimization and Statistical Procedures for Big Data and Applications. National Science Foundation, DMS 1820702, PI (Co-PI: Tao Yao, Ethan X. Fang and Xuemei Huang). 07/01/2018 6/30/2023 (with two year no cost extension). Total: \$350,000.
- 12. Stressors under food insecurity and short-term cognitive change in rural older adults. Penn State Social Science Research Institute internal seed grant, co-I (PI: Muzi Na). 05/01/2021 04/30/2023. Total: \$40,744.
- 13. Developing Methodology to examine causal mediation of time-varying effects in smoking cessation treatments. (NIH R01CA229542 PI: Donna Coffman). Subcontract from Temple University. **Sole Principal Investigator** of this subcontract. 8/1/2018 7/31/2022. Amount: \$329,424.
- 14. Manganese-related neurotoxicity in asymptomatic welders. National Institute of Environmental Health Sciences. R01 ES019672. Co-investigator (PI: Xuemei Huang). 03/01/2017 02/28/2022. Amount: \$3,828,128.
- 15. The moderating role of smoking exposure in the relationship between the nicotinic acetylcholine receptor gen cluster and nicotine dependence. R21CA226300, co-I (PI: Helen Kamens). \$238,888. 2/15/2020 1/31/2023 (with one-year no cost extension)
- 16. Southeast Asia Malaria Research Center 2017-2024, National Institute of Allergy and Infectious Diseases U19AI089672, Co-I (PI: Liwang Cui), 04/01/2017 3/31/2024. Total: \$9,353,113 with total direct cost: \$7,576,626.
- 17. Penn State Biomedical Big Data to Knowledge (B2D2K) Training Program. National Institutes of Health, National Library of Medicine, T32 LM012415. PI (with PIs Vasant G. Honavar and Marylyn, D. Ritchie (contact PI)). 4/1/2016 3/31/2021. Total \$1,339,139.
- 18. Center for Complex Data To Knowledge in Drug Abuse and HIV Behavioral Science. National Institute on Drug Abuse, NIH, P50 DA039838, Co-Investigator (PI: Linda M. Collins). 08/01/2015 07/31/2022 (with two-year no cost extension). Approx Total: \$13 million. My role in this center grant is given below.
 - (a) New Statistical Procedures for High-Dimensional Complex Drug Abuse Data. **Principal Investigator**. 08/01/2015 07/31/2020. Approx Total: \$2.9 million
 - (b) Innovative Methods for Constructing Just-in-Time Adaptive Interventions. Co-Investigator (PI: Susan Murphy). 08/01/2015 07/31/2020. Approx Total: \$2.9 million
 - (c) Multidimensional and Dynamic Moderation in Drug Abuse and HIV Studies. Co-Investigator (PI: Stephanie Lanza). 08/01/2015 - 07/31/2020. Approx Total: \$2.5 million
 - (d) Pilot Core. Co-Investigator (PI: Stephanie Lanza). 08/01/2015 07/31/2020. Approx Total: \$1.5 million

- 19. Diet and stress responses in low-income rural adults under the dynamics of food insecurity, CTSI pilot project, Co-Investigator (PI: Muzi Na), 9/1/2018-8/31/2019. Amount: \$50,000 for Direct cost.
- Collaborative Research: High-Dimensional Projection Tests and Related Topics. National Science Foundation. DMS 1512422, Sole Principal Investigator. 7/1/2015 - 5/31/2019. Total: \$123,315.
- 21. Statistical Learning and Inference for Ultrahigh Dimensional Data. National Nature Science Foundation of China, 11690015, Co-I for 1/1/2017 12/31/2018 (PI: Changliang Zou at Nankai University, China). Total direct cost: RMB 1.0million.
- 22. Distributed Statistical inference and test of spurious correlation for big data. National Nature Science Foundation of China, 11690014, Co-I for 1/1/2017 12/31/2018 (PI: Min Chen at Academy of Mathematics and System Science, Chinese Academy of Sciences). Total direct cost: RMB1.3million.
- 23. Measurement and Methodology for Daily Patterns of Drug Use and Related Behaviors. (NIH R01 PI: Anne Buu). Subcontract from University of Michigan. **Sole Principal Investigator** of this subcontract. 7/1/2013 3/31/2018. Amount: \$286,201.
- 24. Age-Varying Effects in the Epidemiology of Drug Abuse, National Institute on Drug Abuse, NIH, R01 DA039854, Co-Investigator (PI: Stephanie Lanza), 07/01/2015 05/31/2019. Total: \$678,150.
- 25. Pennsylvania State University Tobacco Center of Regulatory Science (TCORS). National Institute on Drug Abuse, NIH, P50 DA036107, Co-Investigator (PI: Joshua E. Muscat) for this NIH center grant, Co-Investigator for both Biostatistics Core and Research Training and Educational Component. 9/1/2013 8/31/2018. Total: \$3,927,729 for Year 1, \$3,866,600 for Year 2, \$3,869,769 for Year 3, \$3,798,376 for Year 4, and \$3,679,212 for Year 5.
- 26. Center for Prevention and Treatment Methodology, National Institute on Drug Abuse, NIH, P50-DA10075, Co-Investigator (PI: Linda M. Collins). 9/1/2010 8/31/2016. Approx Total: \$10,124,708. My role in this center grant is given below.
 - (a) New models for joint analysis of intensive longitudinal data and survival data. National Institute on Drug Abuse, NIH, P50-DA10075(5929), **Principal Investigator**. 9/1/2010 8/31/2015. Total: \$1,254,309.
 - (b) Smart methodology for constructing adaptive interventions. National Institute on Drug Abuse, NIH, P50-DA10075(5930), Co-Investigator (PI: Susan A Murphy). 9/1/2010 8/31/2015. Total: \$2,577,822.
 - (c) Advances in finite mixture modeling for substance use and HIV research. National Institute on Drug Abuse, NIH, P50-DA10075(5926), Co-Investigator (PI: Stephanie T. Lanza). 9/1/2010 8/31/2015. Total: \$1,120,133.
 - (d) Administrative core. National Institute on Drug Abuse, NIH, P50-DA10075(5913), Co-Investigator (PI: Linda M. Collins). 9/1/2010 8/31/2015. Total: \$2,778,920.

- (e) Software core. National Institute on Drug Abuse, NIH, P50-DA10075(5920), Co-Investigator (PI: Stephanie T. Lanza). 9/1/2010 8/31/2015. Total: \$1,716,259.
- 27. Folded concave penalized learning for Parkinson's biomarkers identification. Grace Woodward Collaborative Engineering/Medicine Research Grant. The Pennsylvania State University, Co-PI (PI: Tao Yao, Co-PI: Xuemei Huang). 7/1/2014 6/30/2016. Total: \$50,000.
- 28. Advancing Tobacco Research by Integrating Systems Science and Mixture models. National Cancer Institute, NIH, R01 CA168676, Co-I (PI: Stephanie Lanza). 9/1/2012 8/31/2015. Total: \$497,694.
- 29. Do Access Barriers to Autism Care Persist Despite Autism Insurance Mandate? NIH, R01 MH096711. Co-I (PI: Li Wang). 9/12/2012 7/31/2016. Total: \$815,762.
- 30. New Statistical Methodology to Establish Construct Validity for Childhood Risk (NIH K01 PI: Anne Buu). Subcontract from University of Michigan. **Sole Principal Investigator** of this subcontract. 7/1/2010 3/31/2014. Amount: \$90,196.
- 31. New Directions in Statistical Robust Modeling and their Application. National Natural Science Foundation of China, 11028103, co-I (PI: Hengjian Cui). 1/1/2011 12/31/2012. Amount: RMB 200,000.
- 32. Joint Modeling of the Effects of Substance Use on Changes in CD4 and on Survival Time of Women with HIV. NIH supplemental fund from WIHS through SUNY Upstate Medical University. Co-I (PI: Stephanie Lanza). 04/01/2012 12/31/2012. Total: \$70,459.
- 33. Southeast Asia Malaria Research Center, National Institute of Allergy and Infectious Diseases, NIH, U19AI089672, Co-Investigator from 7/1/2011-6/30/2012. (PI: Liwang Cui, 7/1/2010 6/30/2017). Amount: \approx \$14.5 million.
- 34. US-China supplement of DMS 0348869 "CAREER: Model Selection for Semiparametric Regression Models in High Dimensional Modeling and its Oracle Properties". National Science Foundation, DMS 0926187, Sole Principal Investigator, 2009-2011. Amount: \$40,000.
- 35. The First Institute of Mathematical Statistics Asia Pacific Rim Meetings. National Science Foundation, DMS 0855596. **Sole Principal Investigator**. 4/1/2009 3/31/2010. Total: \$8,000.
- NIH Roadmap: New Statistical Models for Intensive Longitudinal Data. National Institute on Drug Abuse, NIH, R21 DA024260. Principal Investigator, (Co-PI, Lisa Dierker) 2007 - 2012. Total: \$1,187,474.
- 37. NIH Roadmap: Dynamical systems and related engineering approaches to improving behavioral interventions. National Institute on Drug Abuse, NIH, 1 R21 DA024266. Coinvestigator, (PI, Linda M. Collins and Daniel Rivera). 2007 2012. Total: \$1,133,344.
- 38. Scientific Computing Research Environments for the Mathematical Sciences (SCREMS). National Science Foundation, DMS 0722351, Co-PI (PI: Murali Haran, Co-PI: G. Babu, J. Li, R. Li and B. Lindsay). 2007-2008. Amount: \$50,000.

- 39. Center for Prevention and Treatment Methodology, National Institute on Drug Abuse, NIH, P50-DA10075, Co-Investigator (PI: Linda M. Collins). 9/1/2005 8/31/2010. Total: \$7,891,389. My role in this center grant is given below.
 - (a) Semi-varying coefficient models for intensive longitudinal data. National Institute on Drug Abuse, NIH, P50-DA10075(0008), **Principal Investigator**. 9/1/2005 8/31/2010. Total: \$933,356.
 - (b) Optimizing behavioral interventions for drug abuse prevention and treatment National Institute on Drug Abuse, NIH, P50-DA10075(0009), Co-Investigator, (PI: Linda M. Collins). 9/1/2005 8/31/2010. Total: \$661,427.
- CAMLET: A Combined Ab-initio Manifold Learning Toolbox for Nanostructure Simulations, National Science Foundation, CCF 0430349, Co-PI (PI: Hongyuan Zha) for 2004-2006, and Principal Investigator for 2006-2008. 2004-2008. \$215,000.
- 41. CAREER: Model Selection for Semiparametric Regression Models in High Dimensional Modeling and its Oracle Properties. National Science Foundation, DMS 0348869, **Sole Principal Investigator**. 2004-2009. Amount: \$400,000.
- 42. Scientific Computing Research Environments for the Mathematical Sciences (SCREMS). National Science Foundation, DMS 0322673, Co-PI (PI: Steve Rathbun, Co-PI: G. Babu, J. Li, R. Li and B. Lindsay). 2003-2004. Amount: \$65,347.
- 43. Center for Prevention Methodology, National Institute on Drug Abuse, NIH, P50-DA10075, Co-Investigator, (PI: Linda M. Collins). 2001-2005. Total: \$4,864,630.
- 44. Variable Selection in High-dimensional Modeling and its Oracle Properties. National Science Foundation, DMS 0102505, **Sole Principal Investigator**. 2001-2005. Amount: \$96,769.

Fields of Research

Statistical inference for high-dimensional data

Feature screening for ultrahigh-dimensional data

Model selection for high-dimensional data

Functional/longitudinal data analysis

Nonparametric smoothing method

Design and modeling for computer experiments

Statistics applications in behavior science research and engineering research.

Analysis of longitudinal genetic data

Analysis of brain images

Book:

- Fang, K.-T., Li, R. and Sudjianto, A. (2006). Design and Modeling for Computer Experiments. Chapman and Hall/CRC. Boca Raton, FL.
- Fan, J., Li, R., Zhang, C.H. and Zou, H. (2020). Statistical Foundations of Data Science. Chapman and Hall/CRC. Boca Raton, FL.

Publication

Authors with * stands for that the authors were my trainee during the completion of the works Authors with \dagger stands for that the authors were my co-author's trainee during work completion

A. Technical Reports and manuscripts submitted for publication in refereed journals

- 1. Yang, S., Zhao, D. and Li, R. (2025). Statistical inference for high-dimensional partially linear models via debiased rank lasso. Revised for *Journal of Machine Learning and Research*.
- 2. Hu, J., Tong, J., Ning, Y., Tang, C. Y., Moore, J., Li, R. and Chen, Y. (2025). Federated feature selection with false discovery rate control. Revised for *Journal of Royal Statistical Society, Series B*.
- 3. He, Z., Sun, Y., Liu, J. and Li, R. (2025). High-dimensional parameter transfer with fused-regularizer. Revised for *Journal of Machine Learning and Research*.
- 4. Jiang, Y., Yang, S., Bao, L. and Li, R. (2024). Simultaneous feature- and sample-splitting ADMM for penalized rank regression. Revise for *Journal of Computational and Graphical Statistics*.
- 5. Chen, Z., Li, R. and Xu, Y. (2025). Distributed nonparametric regression with heterogeneity through prediction-based aggregation. Revised for *Journal of Computational and Graphical Statistics*.
- 6. Xu, K., Zhou, Y., Zhu, L. and Li, R. (2025). Test of multivariate independence via comparing two bivariate means. Revised for *Journal of American Statistical Association*.
- 7. Jiang, S., Li, R., Ma, S. and Zhang, Z. (2025). Causal inference on quantile dose-response functions via local ReLU least squares weighting. Revised for *Annals of Statistics*.
- 8. Cai, Z., Ding, T., Li, R. and Zhang, Y. (2025). High-dimensional independence test via the generalized HSIC. Submitted for publication.
- 9. Zhang, X., Tan, X., Li, R. and Liu, X. (2024). Hypothesis testing in high-dimensional censored-transformation models. Submitted for publication.
- 10. Xu, H., Ke, Y., Guerrier, S. and Li, R. (2022). Nonasymptotic theories for tail-robust auto-covariance matrix estimation methods. Submitted for Publication.
- 11. Lan, W., Feng, L., Li, R. and Tsai, C.-L. (2024). Maximum-of-Differences test for comparing multivariate K-sample distributions. Submitted for Publication.

- 12. Ding, Y., Li, R. and Xue, Li. (2025). Statistical Convergence Rates of Optimal Transport Map Estimation between General Distributions. Submitted for publication.
- 13. Tong, Z. and Li, R. (2025). Winsorized Rank-Based Regression in High Dimensions. Submitted for publication.

B. Publication in Refereed Journals

- Zhang, Z., Yu, X. and Li, R. (2025). A novel approach of high dimensional linear hypothesis testing problem. *Journal of American Statistical Association*. https://doi.org/10.1080/01621459.2024.2428467
- Yang, W., Liu, D., Le, B. and Li, R. (2025). A likelihood approach to incorporating self-report data in HIV recency classification. *Biometrics*. In press. https://doi.org/10.1093/biomtc/ujae147
- 3. Cai, Z., Zhang, Y., Guo, X., Zhu, L. and Li, R. (2025). A nonparametric independence test via penalized mutual information. *Science China Mathematics*. https://doi.org/10.1007/s11425-024-2486-1.
- Liu, J., Liao, Y. and Li, R. (2025). Generalized varying coefficient mediation models. Communications in Mathematics and Statistics. In press. https://doi.org/10.1007/s40304-023-00366-2.
- 5. Zou, T., Lan, W., Li, R. and Tsai, C.-L. (2025). Fixed and random covariance regression analyses. *Annals of Statistics.* **53**, 1587–1612.
- Li, R., Li, W. and Wang, Q. (2025). Tests for shape matrices in moderate dimension via Tyler's M estimators. *Journal of American Statistical Association*. 120, 472 - 485. https://doi.org/10.1080/01621459.2024.2350573
- Guo, X., Li, R., Zhang, Z. and Zou, C. (2025). Model-free statistical inference on high-dimensional data. *Journal of American Statistical Association*. 120, 186 197 (NIHMSID: NIHMS1978198) DOI:10.1080/01621459.2024.2310314.
- 8. Wen, J., Yang, S., Wang, D., Jiang*, Y. and Li, R. (2025). Feature-splitting algorithms for ultrahigh dimensional quantile regression. *Journal of Econometrics*. **249**, 105426 (PMCID: PMC12326526). https://doi.org/10.1016/j.jeconom.2023.01.028
- 9. Jiang, D., Hou, Z., Bai, Z. and Li, R. (2025). Invariance Principle and CLT for the Spiked Eigenvalues of Large-dimensional Fisher Matrices and Applications. *Statistica Sinica.* **35**, 2325-2357. DOI: 10.5705/ss.202022.0377
- Zhang, Q., Yi, C.Destouni, G., Wohlfahrt, G., Kuzyakov, Y. Li, R., Kutter, E., Chen, D., Rietkerk, M. Tian, Z. Hendrey, G., Fang, W., Krakauer, N., Jarsjo, J., Han, J. and Xu, S. (2025). How Michaelis-Menten kinetics can represent ecosystem-scale respiration: scale and applicability. *Environmental Research Letters*. 20 041003 https://doi.org/10.1088/1748-9326/adc31a

- 11. Yang, S., Zheng, S. and Li, R. (2024). A new test for high dimensional two-sample mean problems with consideration of correlation structure. *Annals of Statistics*. **52**, 2217-2240. https://doi.org/10.1214/24-AOS2433
- Zhao, A. Y., Li, C., Li, R. and Zhang, Z. (2024). Testing high-dimensional regression coefficients in linear models. Annals of Statistics. 52, 2034-2058. https://doi.org/10.1214/24-AOS2420
- Li, D., Li, R. and Shang, H. L. (2024). Detection and estimation of structural breaks in highdimensional functional time series. Annals of Statistics. 52, 1716 - 1740. https://doi.org/10.1214/24-AOS2414
- Zhou, Y., Xu, K., Zhu, L. and Li, R. (2024). Rank-based indices for testing independence between two high-dimensional vectors. *Annals of Statistics*. 52, 184-206. DOI: 10.1214/23-AOS2339 (PMCID: PMC11064990)
- 15. Wang*, J., Cai, X., Niu, X. and Li, R. (2024). Variable selection for high-dimensional nodal attributes in social networks with degree heterogeneity. *Journal of American Statistical Association*. **119**, 1322-1335. (NIHMSID: NIHMS1885385). DOI:10.1080/01621459.2023.2187815
- Liu, W., Yu, X., Zhong, W. and Li, R. (2024). Projection test for mean vector in high dimensions. *Journal of American Statistical Association*. 119, 744 756. (PMCID: PMC11064993). DOI: 10.1080/01621459.2022.2142592.
- Chen, Y., Wang, Y., Fang, E.X., Wang, Z. and Li, R. (2024). Nearly dimension-independent sparse linear bandit over small action spaces via best subset selection. *Journal of American Statistical Association*. 119, 246 258.
 DOI: 10.1080/01621459.2022.2108816.
- Guo, X., Li, R., Liu, J. and Zeng*, M. (2024). Estimations and tests for generalized mediation models with high-dimensional potential mediators. *Journal of Business and Economic Statistics*. 42, 243-256. (NIHMSID: NIHMS1760197). https://doi.org/10.1080/07350015.2023.2174548
- 19. Yang, X., Chen, J., Li, D. and Li, R. (2024). Functional-coefficient quantile regression for panel data with latent group structure. *Journal of Business & Economic Statistics*. **42**(3), 1026-1040. (PMCID: PMC11250162) https://doi.org/10.1080/07350015.2023.2277172
- 20. Zhang, Q., Yi, C., Destouni, G., Wohlfahrt, G, Kuzyakov, Y., Li, R., Kutter, E. Chen, D., Rietkerk, M., Manzoni, S., Tian, Z., Hendrey, G., Fang, W., Krakauer, N., Hugelius, G., Jarsjo, J., Han, J., and Xu, S. (2024). Water limitation regulates positive feedback of increased ecosystem respiration. *Nature Ecology & Evolution*. 8, 1870 1876. https://doi.org/10.1038/s41559-024-02501-w
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C. Publication in Refereed Machine Learning Conference Proceedings

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D. Publication as Refereed Book Chapters

- 255. Liu*, W. and Li, R. (2020). Projection test with sparse optimal direction for high-dimensional one-sample mean problem In "Contemporary Experimental Design, Multivariate Analysis and Data Mining" edited by Jianqing Fan and Jianxin Pan, pp. 295-309. Springer, New York.
- 256. Liu*, W. and Li, R. (2020). Variable selection and feature screening. In "Macroeconomic Forecasting in the Era of Big Data", edited by Peter Fuleky. pp. 293-326. Springer, New York.
- 257. Buu, A. and Li, R. (2018). New statistical methods inspired by data collected from alcohol and substance abuse. In *Developmental Perspectives on Alcohol and Other Addictive Behaviors over the Life Span.* Ed. by H. E. Fitzgerald and L. I. Puttler. pp. 354 365.
- 258. Percival, C.J., Kawasaki, K., Huang, Y., Weiss, K., Jabs, E.W., Li, R., Richtsmeier, J.T. (2017). The contribution of angiogenesis to variation in bone development and evolution, in: Percival, C.J., Richtsmeier, J.T. (Eds.), Building Bones: Bone Development and Formation in Anthropology, Cambridge Studies in Biological and Evolutionary Anthropology. Cambridge University Press, Cambridge, UK, pp. 26 51.
- 259. Li, R. and Wang, Z. (2016). Oracle property. An entry at "Wiley StatsRef: Statistics Reference Online" edited by N. Balakrishnan, P. Brandimarte, B. Everitt, G. Molenberghs, F. Ruggeri and W. Piegorsch. Wiley, New York.

- 260. Li, R. and Cui, H. (2012). Variable selection via regularization in *Encyclopedia of Environmetrics*, Second Edition, A.-H. El-Shaarawi and W. Piegorsch (eds). John Wiley & Sons Ltd, Chichester, UK, pp. 2869-2875. DOI: 10.1002/9780470057339.vnn162.
- 261. Kim*, K., Senturk, D. and Li, R. (2011). Recent history functional linear models. in Nonparametric Statistics and Mixture Models: A Festschrift in Honor of Thomas P. Hettmansperger (Eds by D. R. Hunter, D. St. Richards and J. Rosenberger), 169-182. Singapore: World Scientific Publishing Co.
- 262. Zhang*, Y. and Li, R. (2011). Iterative conditional maximization algorithm for nonconcave penalized likelihood. in *Nonparametric Statistics and Mixture Models: A Festschrift in Honor of Thomas P. Hettmansperger* (Eds by D. R. Hunter, D. St. Richards and J. Rosenberger), 336-352. Singapore: World Scientific Publishing Co.
- 263. Li, R. and Ren, J. (2011). An overview on joint modeling of censored survival time and longitudinal data. *Analysis of High-dimensional Data*, (T.T. Cai and X. Shen, eds), 195 220. Beijing: Higher Education Press.
- 264. Dziak*, J., R. Li and Qu, A. (2008). An overview on quadratic inference function approaches for longitudinal data. *New Developments in Biostatistics and Bioinformatics*, (J. Fan, X. Lin and J. Liu, eds). 49-72. World Scientific Publishing Co. Singapore and Higher Education Press, Beijing China.
- 265. Dziak*, J.J. and Li, R. (2007). An overview on variable selection for longitudinal data. *Quantitative Medical Data Analysis using Mathematical Tools and Statistical Techniques*, (D. Hong and Y. Shyr, eds). 3-24. World Sciences Publisher, Singapore.
- 266. Fang, K.-T., Liang, J., Hickernell, F. J. and Li, R. (2006). A stabilized uniform Q-Q plot to detect non-multinormality. Random Walk, Sequential Analysis and Related Topics, A Festschrift in honor of Yuan-Shih Chow, (A. C. Hsiung, Z. Ying and C. Zhang, eds). 254-268. World Sciences Publisher, Singapore.
- 267. Fan, J. and Li, R. (2006). An overview on nonparametric and semiparametric techniques for longitudinal data. In *Frontiers of Statistics* (Fan, J. and Koul, H., eds.). 277-304. Imperial College Press.
- 268. Li, R., Root, T. and Shiffman, S. (2006). A local linear estimation procedure for functional multilevel modeling. In *Models for Intensively Longitudinal Data*, (T. Walls and J. Schafer eds). 63-83, Oxford University Press.
- 269. Li, G., Li, R. and Zhou, M. (2005). Empirical likelihood in survival analysis. In *Contemporary Multivariate Analysis and Experimental Designs*, (J. Fan and G. Li, Eds), 337-349. World Sciences Publisher, Singapore.
- 270. Fan, J., Li, G. and Li, R. (2005). An overview on variable selection for survival data analysis. In Contemporary Multivariate Analysis and Experimental Designs, (J. Fan and G. Li, Eds), 315-336. World Sciences Publisher, Singapore.
- 271. Fan, J. and Li, R. (2003). Local modeling: density and regression smoothing. In *Advanced Medical Statistics*, (Y. Lu and J. Fang, Eds), 885-930, World Sciences Publisher, Singapore.

E. Publication in Automotive Engineering Conference Proceedings

- 272. Zhang, Z., Li, R. and Sudjianto, A. (2007). Modeling computer experiments with multiple responses. SAE Paper, No. 2007-01-1655. April, 2007 in Detroit, Michigan, USA.
- 273. Li, R., Sudjianto, A. and Zhang*, Z. (2005). Modeling computer experiments with functional response. SAE Paper, No. 2005-01-1397. April, 2005 in Detroit, Michigan, USA.
- 274. Li, R. and Sudjianto, A. (2003). Penalized likelihood kriging model for analysis of computer experiments. *Proceedings of 2003 American Society of Mechanical Engineers (ASME) International Design Automation Conference*. DETC2003/DAC-48758. September 2-6, 2003 in Chicago, Illinois, USA.
- 275. Fang, K.T. and Li, R. (2003). Statistical models for space filling designs and optimalities of uniform designs, SAE Paper, No. 2003-01-1213. March 3-6, 2003 in Detriot, Michigan, USA.
- 276. Li, R. (2002). Model selection for analysis of uniform design and computer experiment. Proceeding of the 8th ISSAT International Conference on Reliability and Quality in Design.

Presentations

A. Named/Distinguished Lectures and Plenary/Keynote Speeches

- 1. A novel approach of high dimensional linear hypothesis testing problem. **Plenary speaker**, The 10th International Conference on Statistical Optimization and Learning. Beijing Jiaotong University, Beijing, P.R. China, July 16-17, 2025.
- 2. Statistical inference in high-dimensional linear and generalized linear models. 2025 International Chinese Statistical Association (ICSA) China Conference, Zhuhai, China. **Plenary speaker**. June 28-30, 2025.
- 3. High-dimensional statistical inference. The 13th Annual Meetings of Chinese Society for Probability and Statistics. **Plenary speaker**. November 8-10, 2024.
- 4. Model-free statistical inference on high-dimensional data. **Gregory Chow Lecture**, Joint Xiamen University and Academy of Mathematics and System Sciences, Chinese Academy of Sciences. Beijing, P.R. China, July 22, 2024.
- 5. Model-free statistical inference on high-dimensional data. **Plenary speaker**, The 9th International Conference on Statistical Optimization and Learning. Beijing Jiaotong University, Beijing, P.R. China, July 15-16, 2024.
- A new test for high dimensional two-sample mean problems with consideration of correlation structure. Distinguished Lecture, Department of Statistics, Chinese University of Hong Kong. June 6, 2024.
- 7. Model-free statistical inference on high-dimensional data. Keynote speaker of the Hong Kong University 2024 Summer Workshop on Statistics and Data Analytics. June 3, 2024.

- 8. Tests for large-dimensional shape matrices via M-Estimators. **Science Lecture**, College of Science, Southern University of Science and Technology, China, May 28, 2024.
- 9. Statistical foundational research and future directions. **Distinguished Lecture**, Faculty of Science and Technology, United Independence College, Beijing Normal University and Hong Kong Baptist University. February 20, 2024.
- 10. Tests for large-dimensional shape matrices via M-Estimators. **Plenary speaker**. The 8th International Conference on Statistical Optimization and Learning, Beijing Jiaotong University, Beijing, P.R. China, December 30-31, 2023.
- 11. Feature screening for ultrahigh dimensional data: methods and applications. 2023 International Conference on Data Science and Brain-Inspired Intelligence. Fudan University, Shanghai, P.R. China, December 15-17, 2023,
- 12. Feature screening for ultrahigh dimensional data: methods and applications. IMS Medallion Lecture, Joint Statistical Meetings, Toronto, Canada. August 5-9, 2023,
- 13. Statistical Inference for Linear Mediation Models with High-dimensional Mediators and Application to Studying Stock Reaction to COVID-19 Pandemic. **Plenary speaker**. International Conference on Big Data and Statistical Interdisciplinary Sciences, East China Normal University, Shanghai, P.R. China. July 4 6, 2023.
- 14. Threshold selection in feature screening for error rate control. **Plenary speaker** in Workshop on Frontiers of Statistics and Data Science. Sichuan University, Chengdu, P. R. China, July 2-4, 2023.
- 15. Projection test for mean vector in high dimensions. **Keynote speaker**. The 7th International Conference on Statistical Optimization and Learning. Beijing, P.R. China, December 28-29, 2022.
- To be data scientists or data analysts, how statistics help you get prepared? Plenary Lecture. 2022 Shenzhen International Conference on Frontiers of Statistics and Data Science, Shenzhen, P.R. China, December 3-4, 2022
- 17. Projection test for mean vector in high dimensions. **Plenary speaker**. International Conference on Statistics and Data Science: Theories, Methods and Applications. Zhongnan University of Economics and Law, Wuhan, P.R. China, November 26-27, 2022.
- 18. To be data scientist or data analyst, how statistics can help you? Qunxian Lecture, Graduate School of Xiamen University, P.R. China, November 4, 2022
- 19. Model-free conditional feature screening with false discovery rate control. **Plenary speaker**. International Conference on Frontier of Big Data Statistics, East China Normal University, Shanghai, P.R. China, August 23-24, 2022.
- 20. Feature screening for ultrahigh dimensional data: Methods and Applications. **John A.** Lynch Lecture, College of Science, University of Notre Dame, April 26, 2022.

- 21. Statistical inference for mediation model with high dimensional mediators. **Keynote speaker**. The 6th International Conference on Statistical Optimization and Learning. Beijing, P.R. China, December 18-19, 2021.
- 22. Statistical inference for mediation model with high dimensional mediators. **Keynote speaker**. The 7th Young Statistician Forum at Shanghai University of Finance and Economics. Shanghai, P.R. China, November 27, 2021.
- 23. A new tuning-free robust and efficient approach to high-dimensional regression. **Science Lecture**, College of Science, Southern University of Science and Technology, China, April 15, 2021.
- 24. Rank Lasso in high-dimensional regime and its properties. **Keynote speaker**. The 5th International Conference on Statistical Optimization and Learning. Beijing, P.R. China, December 26-30, 2020
- Statistical inference for high-dimensional data. Distinguished Speaker. The 2019 International Conference on Data Science. Fudan University, Shanghai, P.R. China. December 14-15, 2019.
- 26. Linear Hypothesis testing for High Dimensional Generalized Linear Models. **Keynote speaker**. International Chinese Statistical Association Canada Chapter 2019 Symposium, Queen's University, Kingston, ON, Canada, August 9 11, 2019.
- 27. Ultrahigh dimensional precision matrix estimation via refitted cross validation. **Keynote** speaker. The First EMei Statistical Conference, Emei, Sichuan, July 2-5, 2019.
- 28. Linear Hypothesis testing for High Dimensional Generalized Linear Models. **Plenary speaker**. The 2019 Statistical Alumni Forum, Beijing Normal University, June 28-30, 2019.
- 29. Linear Hypothesis testing for High Dimensional Generalized Linear Models. **Plenary speaker**. International Workshop on Frontier Statistical Research, XiAn Jiaotong University, June 25-27, 2019.
- 30. Ultrahigh dimensional precision matrix estimation via refitted cross validation and application to portfolio optimization. **Keynote speaker**. Symposium on Recent Development of Econometrics, Capital University of Economics and Business, June 10, 2019.
- 31. Test of Significance for High-Dimensional Longitudinal Data. **Keynote speaker** International workshop on Statistical Foundation of Big Data Analysis, Northeastern Normal University, May 21, 2019.
- 32. Linear Hypothesis testing for High Dimensional Generalized Linear Models. **Keynote speaker**. 2018 Workshop on Statistics and Data Science, Sichuan University, July 7-8, 2018.
- 33. Spurious Correlation and its Impact on Estimation of Ultrahigh Dimensional Nonparametric Regression models. **Peter Hall Memorial Lecture**. The 2018 Conference of International Society of Nonparametric Statistics (ISNPS). Salerno, Italy, June 12-15, 2018.

- 34. Error Variance Estimation in Ultrahigh Dimensional Regression Models. **Plenary speaker**, International Workshop on Big Data Science, Zhongnan University of Economics and Law, December 16-17, 2017.
- 35. Error Variance Estimation in Ultrahigh Dimensional Regression Models. **Keynote speaker**, International Workshop on Modern Statistics, Xiamen University, December 9-10, 2017.
- 36. Hypothesis Testing on Linear Structures of High Dimensional Covariance Matrix. **Keynote speaker**, The 2017 Fudan Conference on Big Data Statistics and FinTech, October 29 30, 2017.
- 37. Error Variance Estimation in Ultrahigh Dimensional Regression Models. **Plenary speaker**, The 6th China Statistics Annual Conference. Beijing October 29-30, 2016.
- 38. Projection Test for High-Dimensional Mean Vectors with Optimal Direction. **Plenary speaker**, of Symposium on Frontiers of Statistics and Data Science. The Hong Kong Polytechnic University. June 25-27, 2016.
- 39. Computational Issues Related to Big Data Analysis. **Plenary speaker** of R-Language Conference 2016, Beijing, May 27-29, 2016,
- 40. Error Variance Estimation in Ultrahigh Dimensional Additive Models. **Keynote speaker** of Spring Conference of Korean Statistical Society, Korea. May 21-22, 2016,
- 41. Global Solutions to Folded Concave Penalized nonconvex Learning. **Plenary Speaker** for International Workshop on Optimization Methods and Applications in Big Data. Kaifeng, P. R. China, May 13 15, 2016.
- 42. Projection Test for High-Dimensional Mean Vectors with Optimal Direction. **Pillai Lecture**, Department of Statistics, Purdue University, April 8, 2016.
- 43. Frontier Research in Statistics. **Plenary Speaker** for International Workshop on Data Science and Big Data Research, Renmin University of China, Beijing, P.R. China, December 20, 2015.
- 44. Big Data: Applications and Statistical Analytic Tools, **Distinguished Lecture**, Division of Science and Technology, United International College, Beijing Normal University and Hong Kong Baptist University, October 28, 2015.
- 45. Global Solutions to Folded Concave Penalized nonconvex Learning. **Plenary Speaker** for International Workshop on Big Data Analysis, Capital University of Economics and Business, P.R. China, October 24, 2015.
- 46. Big Data: Applications and Statistical Analytic Tools, **University-wide Public Lecture** organized by Graduate School, Capital University of Economic and Business. October 23, 2015.
- 47. Projection Test for High-Dimensional Mean Vectors with Optimal Direction. **Plenary Speaker** for The International Workshop on Statistical Analytic and Applications of Big Data, Wuhan, P.R. China, October 15 17, 2015.

- 48. Big Data: Applications and Statistical Analytic Tools, Huada Forum (University Named) Lecture, Graduate School, Central China Normal University. October 14, 2015.
- 49. A high-dimensional nonparametric multivariate test for mean vector. Nanqiang Lecture, Xiamen University, December 2014.
- 50. Model-free feature screening for ultrahigh dimensional discriminant analysis. **Plenary Speaker** for The First International Conference on Big Data & Applied Statistics, Beijing, P.R. China, November 28-30, 2014.
- 51. Feature screening for ultrahigh dimensional data. **Distinguished Lecture** in the 3rd IMS-APRM, Taipei, Taiwan, July 2014.
- 52. Feature selection for varying coefficient models with ultrahigh dimensional covariates. The only **Keynote Speaker** of "Workshop on Biostatistics and Bioinformatics". Georgia State University. May 10-12, 2013.

B. Invited talks at professional conferences and meetings during recent five years

- 53. How can statistics help students prepare for better-paid jobs? Statistics in the Age of AI. The George Washington University, May 9-11, 2024.
- 54. Feature-splitting algorithms for ultrahigh dimensional quantile regression. 2024 Kansas Econometrics Workshop. University of Kansas. April 27, 2024.
- 55. Model-free conditional feature screening with FDR control. Joint Conference on Statistics and Data Science in China. Beijing, P.R. China, July 10-13, 2023.
- 56. Testing the effects of high-dimensional covariates via aggregating cumulative covariances. 2022 International Symposium on Modern Data Science Application, Practice and Theory. Yale University, November 19-20, 2022.
- 57. Statistical Inference for linear mediation models with high-dimensional mediators. Joint Statistical Meetings 2022, August 7-11, 2022. Washington DC.
- 58. Statistical Inference for Linear Mediation Models with High-dimensional Mediators. ASA Section of Quality & Productivity Research Conference, 2021. Florida State University.
- 59. Statistical Inference for Linear Mediation Models with High-dimensional Mediators. The 10th World Congress in Probability and Statistics, July 19-23, 2021. Seoul, Korea. Virtual.
- 60. Statistical Inference for Linear Mediation Models with High-dimensional Mediators. The 63rd ISI World Statistics Congress, July 11-16, 2021. Virtual.
- 61. A new tuning-free Robust and Efficient approach to high-dimensional regression. The 2020 Annual Meeting of International Consortium of Chinese Mathematicians, Hefei, P.R. China, December 27 29, 2020
- 62. A new tuning-free robust and efficient approach to high-dimensional regression. Xi'An Statistical Forum, September 23, 2020.

63. A new tuning-free robust and efficient approach to high-dimensional regression. JSM2020, August 2-6, 2020.

C. Invited talks at departmental colloquia and seminar during recent five years

- 64. A novel approach of high dimensional linear hypothesis testing problem. Department of School of Mathematical and Statistical Science, Clemson University, October 3, 2025.
- 65. Model-free statistical inference on high-dimensional data. School of Data Science, Chinese University of Hong Kong in Shenzhen, November 22, 2024.
- 66. A new test for high dimensional two-sample mean problems with consideration of correlation structure. School of Mathematics, Xian Jiaotong University, November 20, 2024.
- 67. Model-free statistical inference on high-dimensional data. Department of Probability and Statistics, Peking University, November 17, 2024.
- 68. Model-free statistical inference on high-dimensional data. School of Statistics and Data Science, Southeastern University, November 14, 2024.
- 69. Model-free statistical inference on high-dimensional data. Department of Statistics, University of Science and Technology of China, November 13, 2024.
- 70. A New Test for high dimensional two-sample mean problems with consideration of correlation structure. School of Statistics, Beijing Normal University, November 6, 2024.
- 71. Testing high-dimensional regression coefficients in linear models. Renmin University of China. November 5, 2024.
- 72. Model-free statistical inference on high-dimensional data. Department of Statistics, University of Michigan, October 4, 2024.
- 73. Model-free statistical inference on high-dimensional data. School of Statistics, Beijing Normal University, August 2, 2024.
- 74. A new test for high dimensional two-sample mean problems with consideration of correlation structure. School of Business, Hong Kong University, May 29, 2024.
- 75. A new test for high dimensional two-sample mean problems with consideration of correlation structure. School of Mathematics, Shanghai Jiaotong University, March 19, 2024.
- 76. Tests for large-dimensional shape matrices via M-estimators. School of Management, Fudan University, March 18, 2024.
- 77. A new test for high dimensional two-sample mean problems with consideration of correlation structure. School of Data Science, Fudan University, March 18, 2024.
- 78. A new test for high dimensional two-sample mean problems with consideration of correlation structure. School of Mathematics, Jilin University, March 15, 2024.
- 79. Tests for large-dimensional shape matrices via M-estimators. School of Mathematics, Northeastern Normal University, March 15, 2024.

- 80. Tests for large-dimensional shape matrices via M-estimators. School of Statistics and Data Science, Nankai University, March 13, 2024.
- 81. A new test for high dimensional two-sample mean problems with consideration of correlation structure. Department of Statistics and Finance, University of Science and Technology of China, February 28, 2024.
- 82. A new test for high dimensional two-sample mean problems with consideration of correlation structure. Department of Statistics, Yunnan University, February 26, 2024.
- 83. To be data scientists or data analysts, how statistics help you get prepared? Beijing Information Science and Technology University, December 28, 2023.
- 84. Feature-splitting algorithms for ultrahigh dimensional quantile regression. Institute of Big Data and Statistics, Renmin University of China, December 20, 2023.
- 85. Tests for large-dimensional shape matrices via M-estimators. School of Statistics, Beijing Normal University, December 18, 2023.
- 86. Projection test for mean vector in high dimensions. School of Statistics, Beijing Normal University, July 10, 2023.
- 87. Projection test for mean vector in high dimensions. Institute of Big Data and Statistics, Renmin University of China, July 10, 2023.
- 88. Model-free conditional feature screening with false discovery rate control. School of Statistics and Management Science, Shanghai University of Finance and Economics, July 7, 2023
- 89. Statistical inference for linear mediation models with high-dimensional mediators and application to studying stock reaction to COVID-19 pandemic. School of Statistics and Data Science, Nankai University. June 30, 2023.
- 90. Projection test for mean vector in high dimensions. School of Statistics and Management Science, Shanghai University of Finance and Economic, December 14, 2022.
- 91. Model-free conditional feature screening with false discovery rate control. Department of Statistics and Actuarial Science, The University of Iowa, September 8, 2022.
- 92. A distribution-free conditional independence test with applications to causal discovery. School of Mathematics and Statistics, Northeastern Normal University, July 28, 2022.
- 93. Feature screening for ultrahigh dimensional data: Methods and Applications. School of Statistics and Information, Shanghai University of International Business and Economics. June 20, 2022.
- 94. Statistical inference for linear mediation models with high-dimensional mediators. Institute of Statistics and Big Data, Renmin University of China, May 13, 2022.
- 95. Statistical inference for linear mediation models with high-dimensional mediators. Department of Mathematics and Statistics, University of Calgary, Canada, April 29, 2022.

- 96. Statistical inference for linear mediation models with high-dimensional mediators. Department of Applied and Computational Mathematics and Statistics, University of Notre Dame, April 25, 2022.
- 97. Statistical inference for linear mediation models with high-dimensional mediators. Department of Statistics, University of Science and Technology of China, April 7, 2022.
- 98. A distribution free conditional independence test with applications to causal discovery, Department of Economics, University of California at San Diego, November 16, 2021.
- 99. Linear Hypothesis Testing in Linear Models with High Dimensional Responses. Institute of Interdisciplinary Research, East China Normal University, July 27, 2021
- 100. A new tuning-free robust and efficient approach to high-dimensional regression. Department of Biostatistics, University of Michigan, April 8, 2021.
- A distribution free conditional independence test with applications to causal discovery, Department of Statistics, UIUC, February 18, 2021
- 102. Big data: applications and statistical analytic tools. Beijing Information Science and Technology University, December 26, 2020.
- 103. Statistical inference for high-dimensional models via recursive online-score estimation. Shanghai University of Finance and Economics, December 17, 2020.
- 104. A new tuning-free robust and efficient approach to high-dimensional regression. Northeastern Normal University, October 17, 2020.
- 105. A new tuning-free robust and efficient approach to high-dimensional regression. University of Geneva, October 2, 2020.
- 106. A new tuning-free approach to high-dimensional regression. Yunan University, September 3, 2020.
- 107. A new tuning-free approach to high-dimensional regression. Xiamen University, July 3, 2020.
- 108. A new tuning-free approach to high-dimensional regression. Southwestern University of Finance and Economics, June 15, 2020.

D. Short Courses

- Statistical Inference for High Dimensional Regression, 6 hour series talk. School of Statistics and Data Science, Nankai University, Tianjin, May 27 - 28, 2019.
- 110. Variable Selection in Generalized Linear Models, 12-hour lecture. School of Mathematics and Statistics, Xian Jiaotong University, Xian, May 23 25, 2019.
- 111. High-Dimensional Data Modeling and its Applications, 18-hour lecture. School of Mathematics and Statistics, Xian Jiaotong University, Xian, September 24 29, 2018.
- 112. High-Dimensional Data Modeling and its Applications, 16-hour lecture. Institute of Statistics, Nankai University, Tianjin, October 24 27, 2017.

- 113. High-Dimensional Data Modeling and its Applications, 18-hour lecture. School of Data Science, Fudan University, Shanghai, July 2 7, 2017.
- 114. Statistical Inference for High-dimensional Data. 4-hour lecture. Institute of Big Data, Renmin University of China, Beijing, June 26-27, 2017.
- 115. Feature Screening for Ultrahigh Dimensional Data. Six-hour lecture, Institute of Applied Mathematics, Chinese Academy of Sciences, May July, 2016.
- 116. Feature Screening for Ultrahigh Dimensional Data. Four-hour lecture, Zhejian University, China, June, 2016.
- 117. Feature Screening for Ultrahigh Dimensional Data. Six-hour lecture, Nankai University, China, May, 2016.
- 118. Feature Screening for Ultrahigh Dimensional Data. Three-hour lecture, Xiamen University, China, July, 2015.
- 119. Feature Screening for Ultrahigh Dimensional Data. Six-hour lecture, Nankai University, China, May, 2015.
- 120. Model-Free Feature Screening for Ultrahigh Dimensional Data. Three-hour lecture, Peking University, China, December, 2014.
- 121. An Introduction to Penalized Methods. Ten-hour lecture, Fudan University, China. July 2012.
- 122. Variable Selection in Linear Models via Regularization: Methods, Algorithms and Recent Developments. Six-hour lecture, Xiamen University, China, July 2012.
- 123. High and Ultrahigh Dimensional Data Analysis. 8-hour lecture. Institute of Applied Mathematics, Chinese Academy of Sciences jointly with Capital Normal University and Beijing Normal University, October, 2011.
- 124. Variable selection and regularization method. 10-hour lecture. Capital Normal University jointly with by Beijing Normal University and Institute of Applied Mathematics, Chinese Academy of Sciences, October, 2011
- 125. Recent Development on Variable Selection. 10-hour lecture. Department of Statistics, Fudan University. June 2008.

Organizer for Professional Conferences

- 1. Scientific Program Committee of the Inaugural China Joint Statistical and Data Science Meetings (CJSM) July 10-13, 2023, Beijing, P.R. China.
- Chair of Scientific Program Committee of International Conference on Big Data and Statistical Interdisciplinary Sciences, July 4 6, 2023, East China Normal University, Shanghai, P.R. China.

- 3. Chair of Scientific Program Committee of Statistical Foundations of Data Science and Their Application. May 8 10, 2023, Princeton University, USA.
- 4. Vice Scientific Program Chair for the 10th World Congress in Probability and Statistics, Seoul, South Korea, August 17 21 2020.
- 5. Scientific program committee member for the 2019 International Conference on Data Science, December 13 15, 2019, Fudan University, Shanghai, P. R. China.
- 6. Scientific program committee member for the 2018 International Chinese Statistical Association (ICSA-China) conference, July 2 5, 2018, Qingdao, P. R. China
- 7. Committee Chair for Pennsylvania State Statistics 50 Year Anniversary Conference, University Park, PA, May 8 10, 2018.
- 8. Scientific program committee for International Workshop on Data Science and Big Data Research, Renmin University of China, Beijing, P.R. China, December, 2015.
- 9. Co-organized with Peter Hall an invited talk session on "Annals of Statistics Special Invited Session: Recent Advances on Estimation of High Dimensional Matrix" for JSM 2015, August 2015, Seattle, WA.
- 10. Scientific program committee member for the Nankai Statistics Forum, Nankai University, July 6-8, 2015. Tianjin, P. R. China.
- 11. Scientific program committee member for the 10th International Conference on Frontiers of Statistics. June 24-27, 2015, Beijing, P. R. China.
- 12. Scientific Program committee member for The First International Conference on Big Data & Applied Statistics, November 28-30, 2014, Beijing, P.R. China.
- 13. Chair for scientific program and local organizer committee for the 2013 Rao Prize Conference. October 2013, The Pennsylvania State University.
- Chair of Scientific Program Committee for the Institute of Mathematical Statistics (IMS)-China International Conference on Statistics and Probability 2013, July 2013, Chengdu, China.
- 15. Scientific Program committee member for The Second Taihu Lake International Statistical Forum, July 2013, Suzhou, P. R. China.
- 16. Organize an invited talk session on *Nonparametric and semiparametric statistical inference* for high-dimensional data. Intentional Chinese Statistical Association (ICSA) International Conference, December 2013, Hong Kong.
- 17. Organize an invited talk session on *Recent advance of statistical inference tools for mixture models*. Intentional Chinese Statistical Association (ICSA) International Conference, December 2013, Hong Kong.
- 18. Organize an invited talk session on *New statistical procedures for analyzing Big data*. The Spring Research Conference, June 2013 University of California at Los Angeles.

- 19. Organize an invited talk session on *Recent advances on variable selection and regularization methods*. The First Conference of the International Society for Nonparametric Statistics, June, 2012, Chalkidiki, Greece.
- 20. Co-chair of scientific program committee for the second IMS Asia Pacific Rim meeting in 2012, Tokyo, Japan.
- 21. Co-chair of scientific program committee for the first IMS Asia Pacific Rim meeting in 2009, Seoul, Korea.
- 22. Organize an invited talk session on Recent Advances on Feature Selection and Its Application for ENAR09, San Antonio, TX.
- 23. Organize an invited talk session on Semiparametric Regression Methods for Longitudinal Data Analysis for ENAR07, Atlanta, GA.
- 24. ASA Biometrics Section program chair for JSM 2007, August 2007, Salt Lake City, Utah.
- 25. Organize a topic contributed talk session on *Recent advances on functional data analysis* for International Biometrics Society (IBS) 2006, July 2006, Montreal, Canada.
- 26. Organize an invited talk session on Semiparametric Modeling in Longitudinal Data Analysis for JSM 2005, August 2005, Minneapolis, MN.
- 27. Organize an invited talk session on Analysis of Intensively Collected Data. JSM 2004, August 2004, Toronto, Canada.
- 28. Organize an invited talk session on *Model Selection and Testing for Semiparametric and Nonparametric Models with Applications to Longitudinal Data*. International Conference on Statistics in Health Sciences. Nantes, France, June 23-25, 2004.
- 29. Organize an invited talk session on Analysis of Intensively Collected Data. ENAR 2004, March 2004, Pittsburgh, PA.
- 30. Organize an invited talk session on Assessment of Measurement Agreement. International Chinese Statistical Association, 2004 Applied Statistics Symposium, San Diego, June, 2004.
- 31. Organize an invited talk session on *High-dimensional hypothesis testing and model selection* for functional data analysis. ENAR 2003, April 2003, Tampa, FL.
- 32. Organize a topic contributed talks on *Model Selection: Regularization and Computation*. JSM 2002, August, 2002, New York.
- Organize an invited talk session on Recent Advances on Local Modeling. International Conference on Current Advances and Trends in Nonparametric Statistics July 15-19, 2002, Crete, Greece.

Professional Service

Being a reviewer or panelist of grant proposals for the following grant agents:

Panelist for National Institute of Health (USA)

Panelist and reviewer for National Science Foundation (USA)

Reviewer for National Security Agent (USA)

Reviewer for National Science and Engineering Research Council of Canada

Reviewer for Engineering and Physical Sciences Research Council (UK)

Reviewer for Hong Kong Research Council

Reviewer for Singapore Ministry of Education

Reviewer for National Taiwan University (Internal Grant proposals)

Reviewer for National University of Singapore (Internal Grant Proposals)

Reviewer for Hong Kong Baptist University (Internal Grant Proposals)

Reviewer for King Abdullah University of Science and Technology (KAUST)

Competitive Research Grants (CRG) program

Being a referee for the following more than 40 journals:

Annals of Statistics, Biometrika, Journal of the American Statistical Association, Journal of Royal Statistical Society, Series B, Proceeding of National Academy of Sciences, Biometrics, Technometrics, Bernoulli, Statistics Sinica, Science in China, Series A, Canadian Journal of Statistics, Journal of Computational and Graphical Statistics, Journal of Multivariate Analysis, Journal of Statistical Planning and Inference, Acta Mathematicae Applicatae Sinica, American Statistician, Australian and New Zealand Journal of Statistics, Annals of Institute Statistical Mathematics, Journal of Nonparametric Statistics, Chinese Journal of Applied Probability and Statistics, Communications in Statistics, Series A and Series B, Sankhya, Computational Statistics and Data Analysis, Statistics, Statistics and Computing, Statistics & Probability Letters, Institute of Industrial Engineering Transaction, American Statistician, Statistics in Medicine, Metrika, Journal of Econometrics, Econometric Journal, Econometric Theory, The Review of Economics and Statistics, Journal of Complexity, International Journal of Materials and Product Technology, AIAA Journal, Quantitative Finance, Nicotine & Tobacco Research, British Journal of Mathematical and Statistical Psychology, Journal of Machine Learning and Research.

Professional Societies

Member of American Statistical Association (Fellow elected in 2011)

Life-time Member of Institute of Mathematical Statistics (Fellow elected in 2009)

Member of The American Association for the Advancement of Science (Fellow elected in 2017).

Member of Bernoulli Society

Member of the Eastern North American Region of the International Biometrics Society

Permanent Member of International Chinese Statistical Association

Long-term visitor, Post-docs, Ph.D. and Master Students

Host long-term visiting faculty with full finance support for

- 1. Shurong Zheng, Northwestern Normal University, Changchun, China, July 10, 2015 July 9, 2016.
- 2. Yeqing Zhou, Tongji University, Shanghai, China, December 1, 2024 June 30, 2025

Host long-term visiting faculty with partial finance support for

- 1. Guangren Yang, Jinan University, Guangzhou, China, February 15, 2016 February 14, 2018.
- 2. Xia Cui, Guangzhou University, Guangzhou, China, July 15, 2016 July 14, 2017.
- 3. Yanbo Pei, Capital University of Economics and Business, Beijing, China, July 15, 2016 July 14, 2017.
- 4. Changliang Zou, Nankai University, Tianjin, China, September 29, 2017 to March 9, 2018.
- 5. Yifan Xia, Southwestern University of Finance and Economics, Chengdu, China, January 1, 2018 December 31, 2018.
- 6. Changliang Zou, Nankai University, Tianjin, China, March 15, 2019 to September 10, 2019.

Host long-term visiting faculty without finance support for

- Baihua He, University of Science and Technology of China, October 15, 2024 March 14, 2025.
- 2. Xiao Guo, University of Science and Technology of China, December 15, 2024 December 14, 2025.

Post-docs supervised for

- 1. John Dziak, 2006 2008 (Current position: University of Illinois at Chicago)
- 2. Xianming Tan, 2008 2011 (Current position: University of North Carolina at Chapel Hill)
- 3. Mariya Shiyko, 2009 2011 (Current position: Northeastern University)
- 4. Liping Zhu, 2009 2011 (Current position: Remin University of China)
- 5. Jingyun Yang, 2011 2013 (Current position: Rush University)
- 6. Chen Xu, 2013 2015 (Current position: University of Ottawa)
- 7. Lucy Lu, 2015 2016 (Current position: Data scientist at Google Inc.)
- 8. Zhao Chen, 2014 2018 (Current position: Fudan University as tenure-track assistant professor)
- 9. Xuening Zhu, 2017 2018 (Current position: Fudan University as tenure-track assistant professor)

- 10. Yuan Ke, 2017 2018 (Current position: University of Georgia as tenure-track assistant professor)
- 11. Zeng Li, 2017 2019 (Current position: China Southern Science and Technology University as tenure-track assistant professor)
- 12. Xu Guo, 2018 2020 (Current position: Beijing Normal University as associate professor)
- 13. Danning Li, 2018 2020 (Current position: Northeastern Normal University as associate professor)
- 14. Haojie Ren, 2019 2021 (Current position: Shanghai Jiaotong University as associate professor)
- 15. Changcheng Li, 2019 2021 (Current position: Dalian University of Technology as assistant professor)
- 16. Haotian Xu, 2022 2023.

Ph.D. dissertations or MS theses under my supervision

- 1. Yuxiao Li, Ph.D. candidate in Statistics (expected to graduate in August, 2029).
- 2. Jingyi Guo, Ph.D. candidate in Statistics (expected to graduate in August, 2029).
- 3. Jiayu Wu, Ph.D. candidate in Statistics (expected to graduate in August, 2029).
- 4. Xiaopu Wang, Ph.D. candidate in Statistics (expected to graduate in August, 2029).
- 5. Haoyue Li, Ph.D. candidate in Statistics (expected to graduate in August, 2028).
- 6. Shubo Li, Ph.D. candidate in Statistics (jointly with Lingzhou Xue, expected to graduate in August, 2028).
- 7. Zhewei Zhang, Ph.D. candidate in Statistics (jointly with Yanyuan Ma, expected to graduate in August, 2027).
- 8. Yizhe Ding, Ph.D. candidate in Statistics (jointly with Lingzhou Xue, expected to graduate in August, 2027).
- 9. Yuankai Ma, Ph.D. candidate in Statistics (jointly with Le Bao, expected to graduate in August, 2027).
- 10. Zelin He, Ph.D. candidate in Statistics (expected to graduate in August, 2027).
- 11. Wenlong Yang, Ph.D. candidate in Statistics (jointly with Le Bao, expected to graduate in August, 2026).
- 12. Zihao Zheng, Ph.D. candidate in Statistics (jointly with Maggie Niu, expected to graduate in August, 2026).

13. Ziqian Hong, Ph.D. candidate in Statistics (August, 2025).

Hong, Z. (2025). Transfer Learning for Precision Matrix Estimation and its Application. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

14. Dian Zheng, Ph.D. candidate in Statistics (jointly with Lingzhou Xue, August, 2025).

Zheng, D. (2025). Advancing High-Dimensional Statistical Inference via Online Learning and Data Integration. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

15. Yifan Jiang, Ph.D. candidate in Statistics (jointly with Le Bao, August, 2025).

Jiang, Y. (2025). Topics on Quantile Regression, Rank Regression and Causal Analysis to HIV Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

16. Vivian Xinyi Cheng, Ph.D. candidate in Statistics (August, 2024).

Cheng, V. X. (2024). Distributed Inference for Nonparametric and Semiparametric Regression Models: Optimal Weighted Averaging and Bandwidth Selection. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Ernst & Young

17. Shou Shou Liu, Ph.D. in Statistics (August, 2023).

Liu, S.S. (2023). Statistical Learning on High-Dimensional Multi-Source Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Postdoc at Columbia University

18. Zhaoxue Tong, Ph.D. in Statistics (August, 2023).

Tong, Z. (2023). Robust Techniques for High-dimensional Data: Modern Approaches and Applications. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Tenure-track assistant professor at Department of Statistics, Florida State University.

19. Zhe Zhang, Ph.D. in Statistics (August, 2023).

Zhang, Z. (2023). Inference Methods for High-Dimensional Data: A Focus On Different Hypothesis Testing Problems. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Postdoc at University of North Carolina at Chapel Hill.

20. Shijie Cui, Ph.D. in Statistics (August, 2022).

Cui, S. (2022). Statistical Inference for High-dimensional Models Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Data Scientist at Wells Fargo.

21. Yujie Liao, Ph.D. in Statistics (August, 2022).

Liao, Y. (2022). Varying Coefficient Mediation Models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Data Scientist at Uber.

22. Alex Zhao, Ph.D. in Statistics (August, 2022).

Zhao, A. Y. (2022). Tests of Hypotheses on Regression Coefficients in High-dimensional Regression models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Senior Data Scientist, Boston Consulting Group

23. Mudong Zeng, Ph.D. in Statistics (December, 2021).

Zeng, M. (2021). Statistical Inference for High-dimensional Mediation Model. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Quantiataive Analytic Specialist for Cross-functional Model Validation at Wells Fargo

Current position: Vice President for Applied AI Research at Golden Sachs

24. Zhanrui Cai, Ph.D. in Statistics (August, 2021).

Cai, Z. (2021). New Statistical Tools for Independence and Conditional Independence. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Post-doctoral Fellow at Carnegie Mellon University.

Current position: Tenure-track assistant professor at Iowa State University.

25. Jia Wang, Ph.D. in Statistics (August, 2021).

Wang, J. (2021). Topics in Variable Selection for High-Dimensional Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Data Scientist at Google.

26. Xiufan Yu, Ph.D. in Statistics (jointly with Lingzhou Xue, August, 2021).

Yu, X. (2019). Nonparametric estimation of sufficient forecasting with a diverging number of factors. Master Thesis in Statistics. Department of Statistics, The Pennsylvania State University at University Park.

Yu, X. (2021). Topics on Power Enhancement in High-Dimensional Hypothesis Tests. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Tenure-track assistant professor at Notre Dame University.

27. Jiawei Wen, Ph.D. in Statistics (jointly with Ethan Fang, December, 2020).

Wen, J. (2020). Distributed algorithms and efficient tuning for high dimensional regularization methods. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Data scientist at Facebook.

28. Mengyan Li, Ph.D. candidate in Statistics (jointly with Yanyuan Ma, August, 2020).

Li, M. (2020). Statistical Inference with Corrupted Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Tenure-track assistant professor at Bentley University

29. Wanjun Liu, Ph.D. in Statistics (August, 2019).

Liu, W. (2019). New Statistical Tools for High-dimensional Data Modelling. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Data scientist at LinkedIn

30. Ling Zhang, Ph.D. in Statistics (August, 2019)

Zhang, L. (2019). Procedures for feature screening and interaction detection in high dimensional data modelling. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Data scientist at Wells Fargo Bank

31. Changcheng Li, Ph.D. in Statistics (August, 2019)

Li, C. (2019). Topics in High-Dimensional Statistical Inference. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Postdoc fellow at Pennsylvania State University.

Current position: Full professor at Dalian University of Science and Technology.

32. Songshan Yang, Ph.D. in Statistics (August, 2018)

Yang, S. (2018). New Statistical Analytic Tools for High-dimensional Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Blueshift, ARC, LLC.

Current position: Tenure-track assistant professor at Institute of Big Data and Statistics, Renmin University of China.

33. Jingyi Ye, Ph.D. in Statistics (jointly with Le Bao, December 2017)

Ye, J. (2017). New Statistical Procedures for Analysis of HIV Data and High Dimensional Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Bunker Hill Insurance, Statistician.

34. Wanghuan Chu, MS in statistics (December 2014), Ph.D. in Statistics (jointly with Matthew Reimherr, August, 2016)

Chu, W. (2014). New Screening Procedure for Ultrahigh Dimensional Varying Coefficient Models in Longitudinal Data Analysis. Master Thesis in Statistics. Department of Statistics, The Pennsylvania State University at University Park.

Chu W. (2016). Feature selection for ultra-high dimensional longitudinal data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Google Inc.

35. Han Hao, Ph.D. in Statistics (jointly with Rongling Wu, August, 2016)

Hao, H. (2016). Modeling the Genetic Architecture of Complex Traits. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Tenure-Track assistant professor at University of North Texas.

36. Ye Yu, MS in Statistics (December, 2014), Ph.D. in Statistics (December, 2015)

Yu, Y. (2014). A New Variable Screening Procedure for Cox's Model. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Yu, Y. (2015). New Procedures for Cox's Survival Models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Quantitative Analytic at Wells Fargo

37. Yuan Huang, Ph.D. in Statistics (August, 2015).

Huang, Y. (2015). Projection Test for High-Dimensional Mean Vectors with Optimal Direction. Department of Statistics, The Pennsylvania State University at University Park.

First job: Postdoc at Yale University.

Current position: Assistant professor at Yale University.

38. Yaqun Wang, Ph.D. in Statistics (jointly with Rongling Wu, August, 2015)

Wang, Y. (2015). Inference of Gene Regulatory Network Based on Gene Expression Dynamics in Response to Environmental Signals. Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Tenure-track assistant professor, Department of Biostatistics, Rutgers University.

39. Ningtao Wang, Ph.D. in Statistics (jointly with Rongling Wu, August, 2015)

Wang, N. (2015). A Block Mixture Model to Map eQTLs for Gene Clustering. Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Tenure-track assistant professor, School of Public Health, University of Texas.

Current position: Data scientist at Alibaba, Hangzhou, P.R. China

40. Jessica Trail, Ph.D. in Statistics (jointly with Linda M. Collins, May, 2015)

Trail, J. (2015). Dynamic Models for Intensive Longitudinal Data: New Models, Statistical Procedures, and Applications. Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Argonne National Labs.

41. Wei Sun, Ph.D. in Statistics (May, 2015)

Sun, W. (2015). Feature Screening in Ultra-high Dimensional Survival Data Analysis. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: JP Morgan.

42. Hanyu Yang, Ph.D. candidate in Statistics (December, 2014)

Yang, H. (2014). Statistical Models for Scalar Response with Longitudinal Covariates. Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Quantitative Analytic Consultant at Wells Fargo

43. Xiaoyu Liu, Ph.D. in Statistics (December, 2014)

Liu, X. (2014). Joint Modeling Longitudinal and Survival Data: New models, Computing Techniques and Applications. Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Capital One Bank & Data Scientist at Apple.

44. Xizhen Cai, Ph.D. in Statistics (jointly with David Hunter, August, 2014)

Cai, X. (2014). Model Selection and Survival Analysis with Application to Large Time-Varying Networks. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Visiting assistant professor at Carnegie Mellon University.

Current position: Tenure-track assistant professor at Williams College.

45. Lejia Lou, Ph.D. in Statistics (December 2013).

Lou, L. (2013). Thresholded Partial Correlation Approach in High-Dimensional Linear Models and Partial Linear Models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Bank of America, Charlotte, NC.

Current Job: Ernst & Young

46. Ying Zhang, Ph.D. in Statistics (August, 2013)

Zhang, Y. (2013). New Models for Conditional Covariance Matrix. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Study Statistician at Sanofi, New Jersey. Current Job: AbbVie Inc.

47. Jingyuan Liu, Ph.D. in Statistics (jointly with Rongling Wu, May, 2013)

Liu, J. (2013). Statistical Procedures for Ultrahigh Dimensional Varying Coefficient Models, Their Extension to Longitudinal Structure and Partially Linear Models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Assistant professor, Xiamen University, China.

Current position: Full professor, Xiamen University, China.

48. Esra Kurum, Ph.D. in Statistics (August, 2012)

Kurum, E. (2012). Joint Modeling of Longitudinal Binary and Continuous Responses: New Models, Statistical Procedures and Applications. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Tenure-track assistant professor at Istanbul Medeniyet University.

Current position: Tenured associate professor at University of California at Riverside.

49. Zhao Chen, Ph.D. in Statistics, University of Science and Technology of China (visiting Penn State from September 2010 to August, 2012; jointly with Yaohua Wu at USTC, July 2012)

Chen, Z. (2012). New Statistical Procedures for Time Series Data and Robust Modeling. Ph.D. dissertation, Department of Statistics, University of Science and Technology of China.

First job and current position: Post-doc at Princeton University & Professor of Data Science, Fudan University

50. Guifang Fu, Ph.D. in Statistics (jointly with Rongling Wu, expected to graduate in August, 2012)

Fu, G. (2012). Modeling Framework of Biological Shape Gene Identification. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job position: Tenure-track assistant professor.

Current position: Tenured associate professor at Binghamton University, State University of University.

51. Wei Zhong, Ph.D. in Statistics (August, 2012)

Zhong, W. (2012). Feature Screening and Variable Selection for Ultrahigh Dimensional Data Analysis. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track assistant professor, WISE, Xiamen University.

Current position: Full professor, WISE, Xiamen University.

52. Junyi Lin, MS in Statistics (August, 2011); Ph.D. in Statistics (December, 2011)

Lin, J. (2011). Variance-bias Trade-off in Generalized Linear Regression Models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Lin, J. (2011). Model Misspecification and Feature Screening for Ultrahigh Dimensional Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Statistician, Fifth Third bank.

53. Mina Yoo, Ph.D. in Statistics (jointly with Mosuk Chow, August, 2011)

Yoo, M. (2011). Measures of agreement in method comparison studies for intensive longitudinal data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Postdoc, Penn State University.

54. Jiahan Li, Ph.D. in Statistics (jointly with Rongling Wu, August 2011)

Li, J. (2011). The Bayesian LASSO, Bayesian SCAD and Bayesian Group LASSO with Applications to Genome-wide Association Studies. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track assistant professor, Notre Dame University. Current Job: Grantham, Mayo, Van Otterloo & Co. LLC (GMO)

55. Kiranmoy Das, Ph.D. in Statistics (jointly with Rongling Wu, August 2011)

Das, K. (2011). Semiparametric Bayesian Function Mapping with Irregular Sparse Longitudinal Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track assistant professor, Temple University. Current Job: Indian Statistical Institute, Kolkata

56. Yijia Feng, MS in Statistics (August, 2008); Ph.D. in Statistics (jointly with Zhibiao Zhao, May 2011)

Feng, Y. (2008). Conditional Quantile Estimation with Neural Network Structure. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Feng, Y. (2011). Robust Nonparametric Function Estimation with Serially Correlated Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Statistician, Google Inc.

57. Kion Kim, Ph.D. in Statistics (jointly with Damla Sentürk, December, 2010)

Kim, K. (2010). The Recent History Functional Linear Model and its Extension to Sparse Longitudinal Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Statistician in Samsung Fire and Marine insurance

58. Yuejiao Jiang, Ph.D. in Statistics (August, 2009)

Jiang, Y. (2009). Estimation and forecasting methodologies for nonparametric regression models via dynamic linear models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Statistician, Hartford Insurance Group

Current position: Statistician, Bank of America

59. Bo Kai, MS in Statistics (August, 2008); Ph.D. in Statistics (jointly with David Hunter, August, 2009)

Kai, B. (2008). Variable Selection in Robust Linear Models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Kai, B. (2009). Robust nonparametric and semiparametric modeling. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track assistant professor, College of Charleston.

Current position: Tenured associate professor, College of Charleston.

60. Mian Huang, Ph.D. in Statistics (August, 2009)

Huang, M. (2009). Nonparametric techniques in finite mixture of regression models. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track assistant professor at Shanghai University of Finance and Economics.

Current position: Tenured associate professor at Shanghai University of Finance and Economics.

61. Yiyun Zhang, MS in Statistics (August, 2006); Ph.D. in Statistics (May, 2009)

Zhang, Y. (2006). Variable selection via penalized likelihood and iterative conditional minimization algorithm. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Zhang, Y. (2009). Regularization parameter selection for variable selection in high-dimensional modelling. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Biostatistician, Novartis Oncology.

Current position: Associate Director Biostatistics, Novartis Oncology.

62. Yan Li, Ph.D. in Statistics (May, 2008)

Li, Y. (2008). Some contributions to nonparametric modeling with correlated data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Statistician, Capital One.

Current position: Ebay Inc. Shanghai, P.R. China

63. Jingyun Yang, Ph.D. in Statistics (jointly with Vern Chinchilli, August, 2007)

Yang, J. (2007). Measurement of Agreement for Categorical Data. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Postdoc, Massachusetts General Hospital

Current position: Tenured-Track Assistant Professor, Rush University.

64. Weixin Yao, Ph.D. in Statistics (jointly with Bruce Lindsay, August, 2007)

Yao, W. (2007). On Using Mixtures and Modes of Mixtures in Data Analysis. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Tenure-track Assistant Professor, Department of Statistics, Kansas State University.

Current position: Full Professor, Department of Statistics, University of California at Riverside.

65. Zhe Zhang, MS in Statistics (May, 2005); Ph.D. in Statistics (May, 2007)

Zhang, Z. (2005). Modeling computer experiments with functional response using nonparametric and semi-parametric models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Zhang, Z. (2007). New Modeling Procedures for Functional Data in Computer Experiments. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Statistician, Bank of America

66. Yang Wang, Ph.D. in Statistics (May, 2007).

Wang, Y. (2007). Varying-Coefficient Models: New Models, Inference Procedures and Applications. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Statistician, Citi Bank.

Current Position: Vanke Group, Shenzhen, P.R. China.

67. John Dziak, MS in Statistics (December, 2004); Ph.D. in Statistics (August, 2006).

Dziak, J. (2004). Penalized likelihood and quasi-likelihood for variable selection in linear models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

Dziak, J. (2006). Penalized quadratic inference functions for variable selection in longitudinal research. Ph.D. dissertation, Department of Statistics, The Pennsylvania State University at University Park.

First job: Postdoc, The Methodology Center, Penn State University

Current position: Research associate, The Methodology Center, Penn State University

68. Wei Wang, MS in Statistics (August, 2003).

Wang, W. (2003). Analysis of inhaled beta-agonists data using functional linear models and mixed effects models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

First job and current position: Biostatistician, Amgen Inc.

69. Caroline E. Geier, MS in Statistics (August, 2003).

Geier, C. E. (2003). Analysis of ecological momentary assessment data using varying coefficient models. Master Thesis, Department of Statistics, The Pennsylvania State University at University Park.

First job: Research assistant at the Consulting Center, Penn State University

Current position: Statistician in Kimberly-Clark Inc

Served as dissertation committee members for the following Ph.D. students:

- 1. Jerry J. Maples (Ph.D. in Statistics, 2001)
- 2. Wei Zhang (MS with minor Statistics, 2001)
- 3. Laura J. Simon (Ph.D. in Statistics, 2002)

- 4. Jiawei Liu (Ph.D. in Statistics, 2003)
- 5. Efi Antoniou (Ph.D. in Statistics, 2004)
- 6. Rui Ding (Ph.D. in Statistics, 2004)
- 7. Ke Yang (Ph.D. in Statistics, 2004)
- 8. Jay D. Martin (Ph.D. in Mechanical Engineering, 2005)
- 9. Shuohui Chen (Ph.D. in Industry Engineering, 2006)
- 10. Zhiqun Tang (Ph.D. in Human Development and Family Studies, 2006)
- 11. Guiling Wang (Ph.D. in Computer Sciences and Engineering, 2006)
- 12. Tammy Root (Ph.D. in Human Development and Family Studies, 2007)
- 13. Hosin Song (Ph.D. in Econometrics, 2007)
- 14. Hong Xu (Ph.D. in Statistics, 2007)
- 15. Xiaopan Yao (Ph.D. in Genetics, 2007)
- 16. Guodong Hui (Ph.D. in Statistics, 2007)
- 17. Yuexiao Dong (Ph.D. in Statistics, 2008)
- 18. M. Florencia Gabrielli (Ph.D. in Economics, 2008)
- 19. Zhijian Huang (Ph.D. in Finance, 2008)
- 20. Sun Yang (Ph.D. in IST, 2008)
- 21. Tianjing Li (Ph.D. in Math, 2008)
- 22. Min Hee Kim (Ph.D. in Statistics, 2009)
- 23. Min Hyung Kim (Ph.D. in Statistics, 2009)
- 24. Changlei Liu (Ph.D. in Computer Science and Engineering, 2009)
- 25. Lu Zhang, (Ph.D. in Statistics, 2010)
- 26. Rong Liu, (Ph.D. in Statistics, 2010)
- 27. Andreas Artemiou, (Ph.D. in Statistics, 2010)
- 28. Minwoo Park, (Ph.D. in Computer Science and Engineering, 2010)
- 29. Yi Yang, (Ph.D. in Computer Science and Engineering, 2010)
- 30. Haiqing Xu, (Ph.D. in Economics, 2011)
- 31. Yuanyuan Wan, (Ph.D. in Economics, 2011)

- 32. Po-Chun Chen, (Ph.D. in IST, 2011)
- 33. Adriano Zamborn, (Ph.D. in statistics, 2012)
- 34. Siwei Liu, (Ph.D. in HDFS, 2012)
- 35. Kung-Yao Lee, (Ph.D. in Statistics, 2012)
- 36. Seonjin Kim, (Ph.D. in statistics, 2013)
- 37. Yeying Zhu, (Ph.D. in statistics, 2013)
- 38. Nianqing Liu, (Ph.D. in Econometrics, 2013)
- 39. Xiaoye Li, (Ph.D. in Statistics, 2013)
- 40. Guo Yu, (Ph.D. in Meteorology, 2013)
- 41. Zhan Si (Ph.D. in Finance, 2014)
- 42. Wei Luo, (Ph.D. in Statistics, 2014)
- 43. Jonathan Poterjoy, (Ph.D. in Meteorology, 2014)
- 44. Xiaotian Zhu, (Ph.D. in Statistics, 2014)
- 45. Hongcheng Liu, (Ph.D. in Industrial Engineering, 2015)
- 46. Tsung-Yu Hsieh, (Ph.D. in Kinesiology, 2015)
- 47. Youngjoo Chu, (Ph.D. in Statistics, 2015)
- 48. Yang Liu, (Ph.D.in Statistics, 2015)
- 49. Zhuying Xu, (Ph.D. in Statistics, 2016)
- 50. Won Chul Song, (Ph.D. in Statistics, 2016)
- 51. Huihui Li, (Ph.D. in Economics, 2016)
- 52. Bhaeddine Taoufik, (Ph.D. in Statistics, 2016).
- 53. Dong Chen, (Ph.D. in Mathematics, 2017)
- 54. Jun Song, (Ph.D. in Statistics, 2017)
- 55. Kevin Lee, (Ph.D. in Statistics, 2017)
- 56. Zhanxiong Xu, (Ph.D. in Statistics, 2017)
- 57. Chuan-Sheng Wang, (Ph.D. in Statistics, 2018)
- 58. Jun Ni, (Ph.D. in Mathematics, 2018)
- 59. Hyun Bin Kang, (Ph.D. in Statistics, 2018)

- 60. Ardalan Mirshani, (Ph.D. in Statistics, 2019)
- 61. Debmalya Nandy, (Ph.D. in Statistics, 2019)
- 62. Zheye Yuan, (Ph.D. in Statistics, 2019)
- 63. Yue Xie, (Ph.D. in Industrial Engineering, 2019)
- 64. Xue Wang, (Ph.D. in Industrial Engineering, 2019)
- 65. Hang Li, (Ph.D. in Industrial Engineering, 20202)
- 66. Qiyuan Li, (Ph.D. in Education, 2019)
- 67. Anita Subramanian, (Ph.D. in Nutritional Sciences, 2019)
- 68. Zheng Li, (Ph.D. in Public Health Sciences, 2019)
- 69. Chixiang Chen, (Ph.D. in Public Health Sciences, 2020)
- 70. Wenjing Song, (Ph.D. in Industrial Engineering, 2020)
- 71. Min Chun Wu, (Ph.D. in Mathematics, 2021)
- 72. Ben Sheng, (Ph.D. in Statistics, 2021)
- 73. Bingyuan Liu, (Ph.D. in Statistics, 2021)
- 74. Ilias Moysidis, (Ph.D. in Statistics, 2021)
- 75. Rui Wang, (Ph.D. in Economics, 2022)
- 76. Nan Dou, (Ph.D. in Nutritional Sciences, 2022)
- 77. Arun Srinivasan, (Ph.D. in Statistics, 2022)
- 78. Jun Tao, (Ph.D. in Statistics, 2022)
- 79. Xinru Li, (Ph.D. in Industrial Engineering, 2023)
- 80. Caner Simsek, (Ph.D. in Political Science, 2023)
- 81. Qi Zhang, (Ph.D. in Statistics, 2023)
- 82. Sanam Sanei, (Ph.D. in Statistics, 2024)
- 83. Manuel Dario Hernandez-Bejarano, (Ph.D. in Statistics, 2024)
- 84. Zhong Zheng, (Ph.D. in Statistics, 2025)
- 85. Yin Tang, (Ph.D. in Statistics, 2025)
- 86. Siyuan Chen, (Ph.D. in Biostatistics, 2025)
- 87. Mushan Li, Ph.D. candidate in Statistics
- 88. Xihui Xu, Ph.D. candidate in Statistics
- 89. Kevin Mekuli, Ph.D. candidate in Industrial Engineering

Service to the University

• University Level:

- 1. Member of the Physical Sciences Selection Panel for the Faculty Scholar Medal Program, Penn State University, 2024-2025.
- 2. Member of the Social and Behavioral Sciences Selection Panel for the Faculty Scholar Medal Program, Penn State University, 2018-2021.

• College Level:

- 1. Representative of Eberly Research Fellow committee, 2017-2018
- 2. Member of distinguished professor review and selection committee, Eberly College of Sciences, 2017
- 3. Member of Interdisciplinary Science BS Advisory Group, 2013
- 4. Member of P & T Committee, Eberly College of Sciences, September 2009 August 2011
- 5. Member of International program committee, Eberly College of Sciences, 2007

• Departmental Level:

- 1. Associate Head, July 2018 -
- 2. Chair of Committee for Departmental 50th Anniversary conference, 2017-2018
- 3. Co-Chair for graduate study committee, July 2016 June 2017
- 4. Chair of Committee for P.R. Krishnaiah Lecture and C.G. Khatri Lecture, July 2012 June 2015
- 5. Member of graduate student admission committee, July 2002 present
- 6. Member of graduate study committee, July 2012 present
- 7. Chair of Committee for Cliff Clogg Lecture, 2016
- 8. Chair of Committee for Marker Lecture of Statistical Sciences, 2016
- 9. Chair of 2013 Rao prize conference
- 10. Member of Faculty search committee, 2012 2013.
- 11. Committee Chair for graduate study committee, July 2007 June 2012
- 12. Member of computer committee, July 2005 June 2012.
- 13. Faculty advisor for Student Activity Committee, July 2010 June 2012
- 14. Member of department head search committee. 2012.

- 15. Committee Chair for the award committee, July 2005 June 2010
- 16. Member of Eberly Chair Professor search committee, July 2007 June 2008
- 17. Assistant committee chair for graduate study committee, July 2006 June 2007
- 18. Member of faculty recruiting committee, July 2006 June 2007
- 19. Member of Alumni workshop, July 2003 June 2006.
- 20. Chair of colloquium committee, July 2002 December 2004.
- 21. Chair of library committee in Department of Statistics, August 2001 June 2004.
- 22. Member of Master qualifier exam committee, 2003 2004.
- 23. Member of Ph.D. qualifier exam committee, 2001 2002 & 2005-2006.
- 24. Member of undergraduate study committee in Department of Statistics, August 2000 June 2002.
- 25. Member of library committee in Department of Statistics, August 2000 July 2001.

Teaching

Summary of Teaching Effectiveness Courses taught:

- Stat 240: Introduction to Biometrics (Undergraduate, Penn State)
- Stat 414: Introduction to Probability Theory (Undergraduate, Penn State)
- Stat 415: Introduction to Mathematical Statistics (Undergraduate, Penn State)
- Stat 517: Probability Theory (Advanced Graduate, Penn State)
- Stat 553: Asymptotic Tools (Advanced Graduate, Penn State)
- Stat 565: Multivariate Analysis (Advanced Graduate, Penn State)
- Stat 597(I): Semiparametric Regression and its Applications (Special topic (and also new) course for Advanced graduate, Penn State)
- Stat 597(II): Local Modeling and its Applications (Special topic (and also new) course for Advanced graduate, Penn State)
- Stat 597 (III): Statistical Learning for High-dimensional Data and Applications (Special topic (and also new) course for Advanced graduate, Penn State)
- Stat 597 (IV): Statistical Foundations of Data Science (Special topic (and also new) course for Advanced graduate, Penn State)

Shown in next Table are scores from the Penn State Student Rating of Teaching effectiveness (SRTE) survey in two categories: overall quality of course (**Course**) and overall quality of instructor (**Instructor**). The scale of SRTE ranges from 1 (poor, lowest rating) to 7 (excellent, highest rating). Means (averages) were reported in SRTE before Summer 2020, while Medians were reported in SRTE after summer 2020. Starting from Fall 2023, Medians of SEEQ are reported. The scale of SEEQ ranges from 1 (poor, lowest rating) to 5 (excellent, highest rating).

		Course	Instructor
Means of SRTEs are reported and 7 is the best			
Spring 2001	Stat 415	6.18	6.51
Fall 2001	Stat 240	5.14	5.45
Fall 2001	Stat 414	6.04	6.35
Spring 2002	Stat 415	6.04	6.52
Fall 2002	Stat 414	5.77	5.90
Spring 2003	Stat 415	5.95	6.53
Fall 2003	Stat 415	5.95	6.53
Fall 2003	Stat 517	6.58	6.67
Fall 2004	Stat 517	6.11	5.94
Fall 2004	Stat 597(I)	6.54	6.69
Fall 2005	Stat 597(II)	6.58	6.67
Spring 2006	Stat 517	6.43	6.62
Fall 2007	Stat 553	6.33	6.67
Fall 2008	Stat 597(II)	6.78	6.89
Spring 2010	Stat 597(I)	6.52	6.62
Spring 2011	Stat 597(III)	6.93	6.93
Spring 2012	Stat 565	6.31	6.23
Spring 2013	Stat 597(I)	6.81	6.81
Spring 2014	Stat 565	6.25	6.25
Spring 2016	Stat 565	6.08	6.42
Spring 2017	Stat 597(III)	6.63	6.63
Fall 2017	PHS 565	5.00	5.50
Spring 2018	Stat 552	6.67	6.83
Spring 2018	Stat 590	6.00	6.33
Spring 2019	Stat 597(IV)	7.00	7.00
Spring 2019	Stat 590	5.75	6.50
Spring 2020	Stat 565	6.50	6.25
Medians of SRTEs are reported and 7 is the best			
Fall 2020	Stat 525	7.0	7.0
Fall 2021	Stat 597(IV)	7.0	7.0
Fall 2022	Stat 525	7.0	7.0
Medians of SEEQs are reported and 5 is the best			
Fall 2023	Stat $597(V)$	5	5
Spring 2025	Stat 597(IV)	5	5
Spring 2025	Stat 565	5	5
Spring 2025	Stat 590	5	5

Stat 597 (V): Statistical Inference for High-dimensional Data (Special topic (and also new) course for Advanced graduate, Penn State)

PHS 565: Statistical Models for Tobacco Research. A new course developed for students who are in the training program hosted by a NIH P50 center grant.

Stat 552: Linear Models (II)

Stat 590: Colloquium

Stat 525: Survival Data Analysis