Will Wei Sun

Last update: February 20, 2026

Daniels School of Business
Purdue University
West Lafayette, IN

Phone: 765-494-4085
Email: sun244@purdue.edu
https://web.ics.purdue.edu/~sun244/

Appointments

Associate Professor of Quantitative Methods and Statistics (Courtesy), *2023 -*
Daniels School of Business, Purdue University
Assistant Professor of Quantitative Methods and Statistics (Courtesy), *2019 - 2023*
Daniels School of Business, Purdue University
Assistant Professor of Management Science, Miami Business School, *2016 - 2019*
Research Scientist, Advertising Science Team, Yahoo Labs, *2015 - 2016*

Education

Purdue University, West Lafayette, IN, USA
Ph.D. in Statistics, *Aug. 2011 - May 2015*
M.S. in Statistics and Computer Science, *Aug. 2012 - May 2014*

Princeton University, Princeton, NJ, USA
Visiting Student of Department of ORFE, *Sep. 2014 - May 2015*

University of Illinois at Chicago, Chicago, IL, USA
M.S. in Statistics, *Aug. 2009 - May 2011*

Nankai University, Tianjin, China
B.S. in Statistics, *Sep. 2005 - Jul. 2009*

Research Interests

Trustworthy AI: Statistical foundations of large language models; reinforcement learning; low-rank tensor learning
Data Science: Dynamic pricing; dynamic assortment selection; two-sided matching markets; online advertising; recommender systems; neuroscience

Selected Submitted Preprints

*: former/current student co-authors; (✉): Correspondence author

8. Shirong Xu* and **Will Wei Sun** (✉) (2026), "Do More Predictions Improve Statistical Inference? Filtered Prediction-Powered Inference", **Journal of the American Statistical Association**, Submitted.

7. Pangpang Liu*, Junwei Lu, and **Will Wei Sun** (✉) (2025), "Uncertainty Quantification for LLM Reward Learning under Heterogeneous Human Feedback", **Journal of the American Statistical Association**, Major Revision.
2026 ASA Student Paper Award from the Business and Economic Statistics Section

6. Young Hyun Cho* and **Will Wei Sun** (✉) (2025), "Privacy-Preserving Alignment of Large Language Models with Differentially Private Reward Learning", Manuscript available upon request.

5. Pangpang Liu*, Chengchun Shi and **Will Wei Sun** (✉) (2025), "Dual Active Learning for Reinforcement Learning from Human Feedback", **Operations Research**, Major Revision.
2025 ASA Student Paper Award Honorable Mention from the SLDS Section

4. Young Hyun Cho*, **Will Wei Sun** (✉) (2025), Privacy-Preserving Dynamic Assortment Selection, **Operations Research**, Major Revision.
2025 ASA Student Paper Award from the Business and Economic Statistics Section

3. Pangpang Liu*, **Will Wei Sun** (✉) (2025), "Fairness-aware Contextual Dynamic Pricing with Strategic Buyers", **Journal of the American Statistical Association**, Minor Revision.

2. Seong Jin Lee*, **Will Wei Sun**, and Yufeng Liu (2025), "Low-Rank Contextual Reinforcement Learning from Heterogeneous Human Feedback", **Journal of the American Statistical Association**, Major Revision.
2025 ASA Student Paper Award Honorable Mention from the SLDS Section

1. Huihang Liu*, Danyang Wang*, Chengchun Shi, Shikai Luo, and **Will Wei Sun** (✉) (2025), "Pessimistic Causal Reinforcement Learning with Mediators for Confounded Offline Data", **Annals of Applied Statistics**, Major Revision.

Journal Publications

*: former/current student co-authors; (✉): Correspondence author

27. Xin Wen*, **Will Wei Sun** (✉), and Yichen Zhang (2025), "Online Tensor Inference", **Operations Research**, Accepted.
2024 ASA Student Paper Award from the SLDS Section

26. Qiyu Han*, **Will Wei Sun** (✉), and Yichen Zhang (2025), "Online Statistical Inference for Matrix Contextual Bandit ", **Annals of Statistics**, Accepted.
Selected by Annals of Statistics Co-Editors to present at NeurIPS 2025

25. Seong Jin Lee*, **Will Wei Sun**, and Yufeng Liu (2025), "Low-Rank Online Dynamic Assortment with Dual Contextual Information", **Journal of the American Statistical Association**, Accepted.

24. Yiyun Luo*, **Will Wei Sun**, and Yufeng Liu (2025), "Rate-Optimal Online Learning for Dynamic Assortment Selection with Positioning", **Operations Research**, Accepted.

23. Shirong Xu*, **Will Wei Sun** (✉), and Guang Cheng (2025), "Rate-Optimal Rank Aggregation with Private Pairwise Rankings", **Journal of the American Statistical Association**, Vol. 120, No. 550, 737-750.

22. Biao Cai*, Emma Zhang, and **Will Wei Sun** (2025), "Jointly Modeling and Clustering Tensors in High Dimensions", **Operations Research**, Vol. 73, No. 3, pp. 1320-1335.

21. Pangpang Liu*, Zhuoran Yang, Zhaoran Wang, and **Will Wei Sun** (✉) (2025), "Contextual Dynamic Pricing with Strategic Buyers", **Journal of the American Statistical Association**, Vol. 120, No. 550, 896-908.

20. Jie Zhou*, Botao Hao, Zheng Wen, Emma Zhang, and **Will Wei Sun** (✉) (2025), "Stochastic Low-rank Tensor Bandits for Multi-dimensional Online Decision Making", **Journal of the American Statistical Association**, Vol. 120, No. 549, 198-211.

19. Yiyun Luo*, **Will Wei Sun**, and Yufeng Liu (2024), "Distribution-free Contextual Dynamic Pricing", **Mathematics of Operations Research**, Vol. 49, No. 1, 599-618.
2021 ASA Student Paper Award from the Business and Economic Statistics Section

18. Chi-Hua Wang*, Zhanyu Wang*, **Will Wei Sun** (✉), and Guang Cheng (2024), "Online Regularization for High-Dimensional Dynamic Pricing Algorithms", **Journal of the American Statistical Association**, Vol. 11, No. 548, 2895–2907.

17. Pratik Ramprasad*, Yuantong Li*, Zhuoran Yang, Zhaoran Wang, **Will Wei Sun** (✉), and Guang Cheng (2023), "Online Bootstrap Inference For Policy Evaluation In Reinforcement Learning", **Journal of the American Statistical Association**, Vol. 118, No. 544, 2901-291.

16. Hilda S Ibriga* and **Will Wei Sun** (✉) (2023), "Covariate-assisted Sparse Tensor Completion", **Journal of the American Statistical Association**, Vol. 118, No. 544, 2605-2619.

15. Emma Zhang, **Will Wei Sun**, and Lexin Li (2023), "Generalized Connectivity Matrix Response Regression with Applications in Brain Connectivity Studies", **Journal of Computational and Graphical Statistics**, Vol. 32, No. 1, 252-262.

14. Jie Zhou*, **Will Wei Sun** (✉), Emma Zhang, and Lexin Li (2023), "Partially Observed Dynamic Tensor Response Regression", **Journal of the American Statistical Association**, Vol. 118, No. 541, 424-439.

13. Botao Hao*, Boxiang Wang*, Pengyuan Wang, Emma Jingfei Zhang, Jian Yang, and **Will Wei Sun** (✉) (2021), "Sparse Tensor Additive Regression", **Journal of Machine Learning Research**, 22, 1-43.

12. Emma Zhang, **Will Wei Sun**, and Lexin Li (2020), "Mixed-Effect Time-Varying Stochastic Block Model and Application in Brain Connectivity Analysis", **Journal of the American Statistical Association**, 115, 2022-2036.

11. Eric Chi, Brain Gaines*, **Will Wei Sun**, Hua Zhou, and Jian Yang (2020), "Convex Co-clustering of Tensors", **Journal of Machine Learning Research**, 21, 1-58.

10. Xiang Lv*, **Will Wei Sun**, Zhaoran Wang, Han Liu, Jian Yang, and Guang Cheng (2020), "Tensor Graphical Model: Non-convex Optimization and Statistical Inference", **IEEE Transactions on Pattern Analysis and Machine Intelligence**[1], 42, 2024-2037.

9. Will Wei Sun (✉) and Lexin Li (2019), "Dynamic Tensor Clustering", **Journal of the American Statistical Association**, 14, 1894-1907.

8. Botao Hao*, **Will Wei Sun**, Yufeng Liu, and Guang Cheng (2018), "Simultaneous Clustering and Estimation of Heterogeneous Graphical Models", **Journal of Machine Learning Research**, 18, 1-58.

7. Will Wei Sun, Guang Cheng, and Yufeng Liu (2018), "Stability-Enhanced Large-Margin Classifier Selection", **Statistica Sinica**, 28, 1-25.

6. Binhuan Wang, Yilong Zhang, **Will Wei Sun**, and Yixin Fang (2018), "Sparse Convex Clustering", **Journal of Computational and Graphical Statistics**, 27, 393-403.

5. Will Wei Sun (✉) and Lexin Li (2017), "STORE: Sparse Tensor Response Regression and Neuroimaging Analysis", **Journal of Machine Learning Research**, 18, 1-37.

4. Will Wei Sun, Junwei Lu, Han Liu, and Guang Cheng (2017), "Provable Sparse Tensor Decomposition", **Journal of the Royal Statistical Society: Series B**, 79, 899-916.

3. Will Wei Sun, Xinye Qiao, and Guang Cheng (2016), "Stabilized Nearest Neighbor Classifier and Its Statistical Properties", **Journal of the American Statistical Association**, 111, 1254-1265.

2. Wei Sun, Junhui Wang, and Yixin Fang (2013), "Consistent Selection of Tuning Parameters via Variable Selection Stability", **Journal of Machine Learning Research**, 13, 3419-3440.

1. Wei Sun, Junhui Wang, and Yixin Fang (2012), "Regularized K-means Clustering of High-dimensional Data and Its Asymptotic Consistency", **Electronic Journal of Statistics**, 6, 148-167.

[1]IEEE Transactions on Pattern Analysis and Machine Intelligence impact factor (2021): 16.4

Refereed Conference Publications

6. Riddhiman Bhattacharya*, Thanh Nguyen, **Will Wei Sun**, and Mohit Tawarmalani (2024), "Active Learning for Fair and Stable Online Allocations", *ACM Conference on Economics and Computation (**EC'24**).*

5. Yiyun Luo*, **Will Wei Sun**, and Yufeng Liu (2022), "Contextual Dynamic Pricing with Unknown Noise: Explore-then-UCB Strategy and Improved Regrets", *Advances in Neural Information Processing Systems (**NeurIPS 2022**).*

4. Will Wei Sun (✉), Junwei Lu, and Han Liu (2018), "Sketching Method for Large Scale Combinatorial Inference", ***NeurIPS 2018***.

3. Wei Sun, Zhaoran Wang, Han Liu, and Guang Cheng (2015), "Non-convex Statistical Optimization for Sparse Tensor Graphical Model", ***NeurIPS 2015***.

2. Wei Sun, Pengyuan Wang, Dawei Yin, Jian Yang, and Yi Chang (2015), "Causal Inference via Sparse Additive Models with Application to Online Advertising", *National Conference of the American Association for Artificial Intelligence (**AAAI 2015**).*

1. Pengyuan Wang, **Wei Sun**, Dawei Yin, Jian Yang, and Yi Chang (2015), "Robust Tree-based Causal Inference for Complex Ad Effectiveness Analysis", *ACM International Conference on Web Search and Data Mining (**WSDM 2015**).*

Book Chapters

1. Will Wei Sun, Botao Hao*, and Lexin Li (2021), "Tensors in Modern Statistical Learning", Wiley StatsRef: Statistics Reference Online.

Grants

- "Enhancing Supply Chain Resilience and Visibility with Reinforcement Learning", Dauch Center Faculty Fellowship, $20,000, 2025-2026, PIs: Will Wei Sun and Guang Lin.
- "AI for Efficient and Fair Online Food Allocation", Young Family Interdisciplinary Research Award, $25,000, 2025-2026, PIs: Will Wei Sun and Guang Lin.
- "Trustworthy Reinforcement Learning for Online Decision Making", National Science Foundation, $450,000, 2022-2025, PI: Will Wei Sun; Co-PI: Yufeng Liu (UNC).
- "Design of Markets and Services Based on Learned User Behavior", Ross-Lynn Research Scholar Funds, $126,700, 2022-2024, PIs: Thanh Nguyen, Will Wei Sun, Mohit Tawarmalani.
- "Statistical Theory and Method of Large Tensor Data", Office of Naval Research, $150,551, PI, 2020-2022.
- "Tensor Bandit for Online Interactive Recommendation", Purdue Research Foundation, $8,000, PI, 2020.
- "Efficient Online Learning in Multidimensional Decision Problems", Adobe Research Gift Award, $10,000, PI, 2019.
- "Artificial Intelligence For Early Diagnosis of Alzheimer's Disease", University of Miami, Provost's Research Award, $12,000, PI, 2018.
- "Large Scale Ad Clustering via Spectral Decomposition", University of Miami, Provost's Research Award, $17,000, PI, 2017.

Mentees

Current PhD Students:

- Seong Jin Lee (joint with Yufeng Liu), Statistics, UNC, *2023-*
- Young Hyun Cho (joint with Jordan Awan), Statistics, Purdue, *2023-*

Former Postdocs:

- Dr. Riddhiman Bhattacharya, *2022-2024*

PhD in Statistics, UMN, 2022
Jointly supervised with Thanh Nguyen and Mohit Tawarmalani
Current: Postdoc, Duke University.

- Dr. Shirong Xu, Postdoc, Management, Purdue, *2021-2022*

PhD in Statistics, City University of Hong Kong, 2021
Jointly supervised with Guang Cheng
Current: Assistant Professor, Xiamen University.

Former PhD Students:

- Pangpang Liu, PhD in Management (Quantitative Methods area), Purdue, *2025*

Current: Postdoc fellow, Yale University.

- Qiyu Han, PhD in Management (Quantitative Methods area), Purdue, *2024*

Current: Machine Learning Engineer, Walmart Global Tech.

- Danyang Wang (joint with Lingsong Zhang), PhD in Statistics, Purdue, *2024*

Current: Quantitative Researcher, Wells Fargo.

- Pratik Ramprasad (joint with Qifan Song), PhD in Statistics, *2023*

Current: Postdoc fellow, UMN.

- Jie Zhou (joint with Emma Zhang), PhD in Management Science, Miami, *2021*

Current: Applied Scientist, Amazon.

- Hilda Ibriga (joint with Bruce Craig), PhD in Statistics, Purdue, *2021*

Current: Research Scientist, Eli Lilly and Company.

PhD Students for Whom I Served as a Thesis Committee Member:

- Yuantong Li, PhD in Statistics, UCLA *2024*

Current: Research Scientist, Meta.

- Yiyun Luo, PhD in Statistics, UNC *2023*

Current: Assistant Professor of Statistics, SUFE.

- Chi-Hua Wang, PhD in Statistics, Purdue *2022*

Current: Postdoc, UCLA.

- Zhiyi Tian, PhD in Management, Purdue *2021*

Current: IQVIA.

- Ming Wang, PhD in Management Science, Miami *2018*

Current: Amazon.

- Chong Zhao, PhD in Management Science, Miami *2018*

Current: Equifax.

Former Summer Interns at Yahoo Labs:

- Boxiang Wang, PhD candidate of Statistics at UMN, *2016*

Current: Assistant Professor of Statistics at University of Iowa.

- Forough Arabshahi, PhD candidate of Computer Science at UCI, *2016*

Current: Senior Research Scientist at Meta (Facebook).

Teaching

MGMT 670, Business Analytics, Purdue University

- Core course of MS in Business Analytics and Information Management
- Topics: descriptive statistics, probability, decision analysis, estimation, hypothesis testing, regression analysis
- Overall evaluation (out of 5): 4.8 (24F)
- Received "**Distinguished Instructor**" award based on students' evaluation

MGMT 571, Data Mining, Purdue University
- Core course of MS in Business Analytics and Information Management
- Focus on business applications of data mining algorithms.
- Overall evaluation (out of 5): 4.8 (19F), 4.7 (20F), 4.6 (21F), 4.7 (22F), 4.8 (23F), 4.7 (24F)
- Received "**Distinguished/Outstanding Instructor**" awards (2019-2024)

MGMT 571, Data Mining (Online Program), Purdue University
- Elective course of Online MS in Business Analytics and Online MBA
- New online course developed by me; consists of 30 recorded videos.
- Overall evaluation: 4.4/5 (20F), 4.3/5 (21F), 4.3/5 (22F), 4.4/5 (23F), 4.3/5 (24F)

MGMT 690, Doctoral Seminar in Statistical Machine Learning, Purdue University
- PhD-level course for students in Quantitative Methods
- Topics include high-dimensional statistics, supervised learning, tensor learning
- No evaluation due to a school-wide policy under Covid-19.

MAS 681, Statistical Machine Learning, Miami Business School
- PhD-level course for students in Management Science and Biostatistics
- Topics include deep learning, supervised learning, unsupervised learning
- Overall evaluation: 4.8/5 (18S), 5/5 (18F)

MAS 648, Data Mining, Miami Business School
- Core course of MS in Business Analytics
- Focus on business applications of data mining algorithms.
- Overall evaluation: 4.3/5 (18F)

MAS 311, Probability and Statistics, Miami Business School
- Core course of B.S.B.A. in Business Analytics
- Overall evaluation scores: 4.6/5 (17S), 4.3/5 (18S)

Honors

Salgo-Noren Outstanding Master's Teaching Award *2025*
"This award is given annually to the faculty member who is identified as the Outstanding Teacher of the year by current Krannert Graduate Institute master's students."
Salgo-Noren Outstanding Master's Teaching Award, First runner-up *2023, 2024*
Distinguished/Outstanding Instructor (MGMT 571 & 670) *2019-2024*
Jay N. Ross Young Faculty Scholar, Krannert School of Management *2021*
Adobe Research Gift Award *2019*
University of Miami Provost Research Award *2017, 2018*
Institute of Mathematical Statistics Laha Travel Award *2013, 2015*
I.W. Burr Award, Purdue University *2015*
Lynn Fellowship, Purdue University *2011 - 2012*

Presentations

Invited Conference Talks
- IMS Asia Pacific Rim Meeting, Hong Kong *Jun., 2026*
- IMS International Conference on Statistics and Data Science, Spain *Dec., 2025*
- 13th ICSA International Conference, Taipei, *Dec., 2025*
- Joint Statistical Meetings (JSM), Nashville, TN *Aug., 2025*
- IMS Network Workshop, Singapore, *May, 2025*
- IMSI Tensor Workshop, Chicago, *May, 2025*
- IMS International Conference on Statistics and Data Science, France *Dec., 2024*
- Computational and Methodological Statistics (CMStatistics), UK *Dec., 2024*
- INFORMS Annual Meeting, Seattle *Oct., 2024*

- JCSDS, Kunming *Jul., 2024*
- ICSA China Conference, Wuhan, *June, 2024*
- CMStatistics, Berlin, Germany *Dec., 2023*
- Joint Statistical Meetings (JSM), Toronto, Canada *Aug., 2023*
- ICSA International Conference, Hong Kong *July, 2023*
- ICSA China Conference, Chengdu, *June, 2023*
- INFORMS Annual Meeting, Indianapolis *Oct., 2022*
- Joint Statistical Meetings (JSM), DC *Aug., 2022*
- ICSA Canada Chapter Symposium, Alberta *Jul., 2022*
- ICSA Applied Statistics Symposium, FL *Jun., 2022*
- INFORMS Annual Meeting (Virtual) *Nov., 2021*
- INFORMS Annual Meeting (Virtual) *Nov., 2020*
- The 11th ICSA International Conference, Zhejiang, China *Dec., 2019*
- Joint Statistical Meetings (JSM), Denver, Colorado *Jul., 2019*
- POMS Annual Conference, DC *May, 2019*
- INFORMS Annual Meeting, AZ *Nov., 2018*
- Conference on Statistical Learning and Data Science, NY *Jun., 2018*
- ICSA Applied Statistics Symposium, NJ *Jun., 2018*
- International Conference on Econometrics and Statistics, Hongkong *Jun., 2018*
- IISA International Conference on Statistics, FL *May, 2018*
- CMStatistics, London, UK *Dec., 2017*
- Joint Statistical Meetings, Baltimore, MD *Aug., 2017*
- ICSA Applied Statistics Symposium, Chicago, IL *Jun., 2017*
- International Conference on Econometrics and Statistics, Hongkong *Jun., 2017*
- Conference on Statistical Learning and Data Science, NC *Jun., 2016*
- ICSA Applied Statistics Symposium, Atlanta, GA *Jun., 2016*

Invited Seminar Talks

- ORFE, Princeton University, *Feb., 2026*
- Statistics, University of Michigan, *Nov., 2025*
- Tippie College of Business, University of Iowa, *Nov., 2025*
- Management Science, University of Miami *Oct., 2025*
- Marketing, Purdue University, *Apr., 2025*
- Statistics, University of North Carolina at Chapel Hill, *Mar., 2025*
- Institute for Data, Systems, and Society (IDSS), MIT, *Feb., 2025*
- Management Science, City University of Hong Kong, *May, 2024*
- Computational Mathematics, Science and Engineering, MSU *Mar., 2024*
- Math Department Colloquia, University of Cincinnati *Feb., 2024*
- Biostatistics, Columbia University, *Sep., 2023*
- Google Research, *Jan., 2023*
- Biostatistics, UC Berkeley, *Jan., 2023*
- Online Causal Inference Seminar, *Mar., 2022*
- Mendoza College of Business, University of Notre Dame, *Feb., 2022*
- Statistics, University of Virginia, *Oct., 2021*
- Statistics, The Chinese University of Hong Kong, *Sep., 2021*
- Supply Chain and Operations Management, Purdue University, *Sep., 2021*
- Data Science, The Chinese University of Hong Kong, Shenzhen, *Jul., 2021*
- Quantitative Methods, Purdue University, *Jan., 2019*
- Statistics, Purdue University, *Jan., 2019*
- Mathematical Sciences, New Jersey Institute of Technology, *Sep., 2017*
- Statistics, University of Wisconsin-Madison, *Sep., 2017*
- Biostatistics, University of Miami, *Apr., 2017*
- Statistics, Florida State University, *Apr., 2016*
- Statistics, North Carolina State University, *Feb., 2016*

- Krannert School of Management, Purdue University, *Jan., 2016*
- Management Science, University of Miami, *Dec., 2015*
- Math and Statistics, University of Massachusetts Amherst, *Dec., 2015*
- Biostatistics, New York University, *Mar. 2015*
- Machine Learning Seminar, Binghamton University, *Sep., 2014*
- Yahoo Labs, Sunnyvale, CA, *Aug., 2014*

Industrial Experience

Yahoo Labs, Sunnyvale, CA
Research Scientist *Jun. 2015 - Aug. 2016*

- Worked on personalized advertising based on web-scale data via Hadoop and Pig.
- Developed time series forecasting for Yahoo's traffic via ensemble machine learning.
- Proposed a new budget pacing algorithm in real time bidding system to improve advertisers' return on investment (ROI).

Yahoo Labs, Sunnyvale, CA
Research Scientist Intern *Jun. 2014 - Aug. 2014*

- Proposed an efficient and robust tree-based causal inference framework for assessing the impact of complex advertising treatments from millions of users.
- Developed a sparse additive model equipped with Gaussian copula to model multivariate non-gaussian advertising treatments.

Patents

"Systems and Methods for Measuring Complex Online Strategy Effectiveness", United States Patent Application 20160189202, Yahoo! Inc., December, 2014.

Software

1. **pass**, R package for prediction and stability selection of tuning parameters
2. **snn**, R package for stabilized nearest neighbor classifier
3. **Tlasso**, R package for sparse tensor graphical models
4. **scvxclustr**, R package for sparse convex clustering

Professional Service

Associate Editor:
Annals of Applied Statistics, *2025-*
Statistical Analysis and Data Mining, *2018-*

Academic Community Services:

- Chair of AI Statistics and Data Science Committee, National Institute of Statistical Sciences (NISS), 2024-Now
- Business and Economics Statistics Section Leadership Committee Member, American Statistical Association (ASA), 2024-Now

University Committee and Administrative Responsibilities:

- PhD Coordinator of Quantitative Methods, Purdue University, 2023-Now
- Selection Advisory Committee for QM Head Selection, Purdue University, 2025
- Interim Faculty Affairs Committee, Purdue University, 2025
- QM Clinical Faculty Hiring Committee, Purdue University, 2024-2025
- QM Clinical Faculty Hiring Co-chair, Purdue University, 2023-2024
- QM Lecturer Hiring Co-chair, Purdue University, 2023-2024
- QM Tenure-track Faculty Hiring Committee, Purdue University, 2023-2024
- Assistant Director of PhD program Hiring Committee, Purdue University, 2023
- QM Faculty Hiring Committee, Purdue University, 2022-2023
- PhD in Analytics Advisory Committee, Purdue University, 2022
- QM Faculty Hiring Co-chair, Purdue University, 2021-2022
- PhD Student Recruitment Committee, Purdue University, 2019-2023
- Data Analytics Research and Teaching Committee, Purdue University, 2019-2021

- Krannert Online Case Competition, Purdue University, 2021
- QM Faculty Hiring Committee, Purdue University, 2019-2020
- PhD Coordinator of Management Science, University of Miami, 2018-2019
- Departmental Seminar Organizer, University of Miami, 2016-2019
- PhD Student Recruitment Committee, University of Miami, 2016-2019
- Faculty Hiring Committee, University of Miami, 2017-2018

Conference Invited Session Organizer:

- Joint Statistical Meetings (JSM), Boston *Aug., 2026*
- ICSA China Conference, Zhuhai *Jun., 2025*
- Computational and Methodological Statistics (CMStatistics), UK *Dec., 2024*
- Joint Statistical Meetings (JSM), WA *Aug., 2024*
- ICSA International Conference, Hong Kong *Jul., 2023*
- INFORMS Annual Meeting, Indianapolis *Oct., 2022*
- Joint Statistical Meetings (JSM), DC *Aug., 2022*
- Joint Statistical Meetings (JSM), Seattle, WA *Jul., 2021*
- Conference on Statistical Learning and Data Science, Irvine, CA *May, 2020*
- Joint Statistical Meetings (JSM), Denver, Co *Jul., 2019*
- ASA's Symposium on Data Science and Statistics (SDSS), Seattle, WA *May, 2019*
- IMS Asia Pacific Rim Meeting (IMS-APRM), Singapore *Jun., 2018*
- Computational and Methodological Statistics (CMStatistics), UK *Dec., 2017*

Journal Reviewer:
Journal of the American Statistical Association (41), Annals of Statistics (6), Journal of the Royal Statistical Society: Series B (5), Journal of Machine Learning Research (19), Management Science (8), Operations Research (1), Information Systems Research (1), IEEE Transactions on Information Theory (2), Math Programming (1), Annals of Applied Statistics (3), Biometrics (3), Technometrics (2), Electronic Journal of Statistics (5), Statistica Sinica (5), Journal of Multivariate Analysis (5)

Refereed Machine Learning Conference Reviewer:
NeurIPS 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024;
ICML 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025;
ICLR 2018, 2019, 2020, 2021, 2022, 2023, 2024;
AAAI 2019, 2020, 2021; AISTAT 2018; WWW 2016; CIKM 2016

Grant Reviewer:
NSA-AMS, 2015
NSF-MMS, 2021, 2022

Student Paper Award Reviewer:
ASA Business and Economic Statistics Section Student Paper Competition, 2025-2026
ASA Statistical Learning and Data Science Student Paper Competition, 2022-2026

Memberships:

- The Institute for Operations Research and the Management Sciences (INFORMS)
- Institute of Mathematical Statistics (IMS)
- American Statistical Association (ASA)