Yixin Wang

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CV updated: June 13, 2023

Education

Ph.D. Statistics, Columbia University 2020
M.Phil. Statistics 2017
M.A. Statistics 2015
Advisor: David M. Blei

B.Sc. (First Class Honors) Mathematics and Computer Science, Hong Kong University of Science and Technology (HKUST) 2014

Employment

Assistant Professor, Department of Statistics, University of Michigan 2022–

LSA Collegiate Fellow, Department of Statistics, University of Michigan 2021–2022

Postdoctoral Researcher, Department of Electrical Engineering and Computer Sciences, University of California Berkeley 2020–2021
Advisor: Michael I. Jordan

Honors and Awards

Finalist, Savage Award (Theory and Methods), 2023
International Society for Bayesian Analysis (ISBA)

Tom Ten Have Award Honorable Mention, 2022
American Causal Inference Conference (ACIC)

Blackwell-Rosenbluth Award, 2021
Junior Section of the International Society for Bayesian Analysis (j-ISBA)

Editor-Selected Discussion Paper, 2019
Journal of American Statistical Association (Theory and Methods)

Student Paper Award, American Statistical Association (ASA) Section on Bayesian Statistical Science	2019
Student Paper Award, Eastern Mediterranean Region of the International Biometric Society (EMR-IBS) Conference	2018
Student Paper Award, American Statistical Association (ASA) Biometrics Section	2018
Best Poster Award, New York Academy of Sciences (NYAS) Machine Learning Symposium	2018
Student Paper Award, NIPS Advances in Approximate Bayesian Inference (AABI) Workshop	2018
INFORMS Data Mining Best Paper Award	2017
Young Researcher Award, International Chinese Statistical Association (ICSA) International Conference	2016
Columbia University Dean's fellowship	2014-2020
HKUST Academic Achievement Medal	2014
Hong Kong Government Talent Development Scholarship	2014
Second Runner-up, Mr Armin and Mrs Lillian Kitchell Undergraduate Research Award	2014
Hong Kong Government Scholarship	2011-2014
Soong Ching Ling Foundation Scholarship	2010-2014
Epsilon Fund Award in Mathematics	2013
Gold Medal, International Genetically Engineered Machine (iGEM) Competition (with HKUST Team)	2012
Gold Medal and Best Presentation in Asia, International Genetically Engineered Machine (iGEM) Competition (with HKUST Team)	2011
HKUST School of Science Scholarship	2011
National Outstanding Winner (Top 4 worldwide), High School Mathematical Contest in Modeling (HiMCM) (with X. Huang, Y. Shen, and Q. Lu)	2009
Meritorious Winner, Mathematical Contest in Modeling (MCM) (with X. Huang, J. Zhao)	2009

Publications[1]

Preprints

1. C. Balsells-Rodas, **Y. Wang**, Y. Li. On the Identifiability of Markov Switching Models. *arXiv:2305.15925*.
2. H. Cai, **Y. Wang**, M.I. Jordan, and R. Song. On Learning Necessary and Sufficient Causal Graphs. *arXiv:2301.12389*.
3. K. Tan*, Y. Lu*, C. Kausik, **Y. Wang**, and A. Tewari. Offline Policy Evaluation and Optimization under Confounding. *arXiv:2211.16583*.
4. L. Zhang, L.R. Richter, **Y. Wang**, A. Ostropolets, N. Elhadad, D.M. Blei, G. Hripcsak. A Bayesian Causal Inference Approach for Assessing Fairness in Clinical Decision-Making. *arXiv:2211.11183*.
5. P. Chatha, **Y. Wang**, Z. Wu, and J. Regier. Dynamic Survival Transformers for Causal Inference with Electronic Health Records. *arXiv:2210.15417*.
6. P. Gradu*, T. Zrnic*, **Y. Wang**, and M.I. Jordan. Valid Inference after Causal Discovery. *arXiv:2208.05949*.
7. K. Bhatia*, N.L. Kuang*, Y.A. Ma*, and **Y. Wang***. Statistical and Computational Trade-offs in Variational Inference: A Case Study in Inferential Model Selection. *arXiv:2207.11208*.
8. K. Krauth, **Y. Wang**, and M.I. Jordan. Breaking Feedback Loops in Recommender Systems with Causal Inference. *arXiv:2207.01616*.
9. H. Nisonoff, **Y. Wang**, and J. Listgarten. Augmenting Neural Networks with Priors on Function Values. *arXiv:2202.04798*.
10. **Y. Wang***, A. Degleris*, A.H. Williams, and S.W. Linderman. Spatiotemporal Clustering with Neyman-Scott Processes via Connections to Bayesian Nonparametric Mixture Models. *arXiv:2201.05044*.
11. M. Yin, **Y. Wang**, and D.M. Blei. Optimization-based Causal Estimation from Heterogeneous Environments. *arXiv:2109.11990*.
12. **Y. Wang** and M.I. Jordan. Desiderata for Representation Learning: A Causal Perspective. *arXiv:2109.03795*. **ACIC Tom Ten Have Award Honorable Mention; ICSA International Conference Junior Researcher Award**
13. L. Liao*, Z. Fu*, Z. Yang, **Y. Wang**, M. Kolar, Z. Wang. Instrumental Variable Value Iteration for Causal Offline Reinforcement Learning. *arXiv:2102.09907*.
14. **Y. Wang** and D.M. Blei. Towards Clarifying the Theory of the Deconfounder. *arXiv:2003.04948*.

[1]*: equal contribution or alphabetical order

15. **Y. Wang**, D. Sridhar, and D.M. Blei. Equal Opportunities and Affirmative Action via Counterfactual Predictions.

Journal Articles

16. M. Yin, C. Shi, **Y. Wang**, and D.M. Blei. Conformal Sensitivity Analysis for Individual Treatment Effects. *Journal of American Statistical Association*, to appear.
17. M. Jagadeesan*, A. Wei*, **Y. Wang**, M.I. Jordan, and J. Steinhardt. Learning Equilibria in Matching Markets from Bandit Feedback. In *Journal of the ACM*, 70, 3, 46, 2023. (Short version appeared in *Neural Information Processing Systems (NeurIPS)*, 2021. **Spotlight Presentation (Top 3% of All Submissions)**)
18. **Y. Wang** and J.R. Zubizarreta. Large Sample Properties of Matching for Balance. *Statistica Sinica*, 33, 3, 2023.
19. C.J. Gruich, V. Madhavan, **Y. Wang**, and B.R. Goldsmith. Clarifying Trust of Materials Property Predictions using Neural Networks with Distribution-Specific Uncertainty Quantification. In *Machine Learning: Science and Technology*, 4, 2, 2023.
20. C. Bai, L. Wang, **Y. Wang**, Z. Wang, R. Zhao, C. Bai, and P. Liu. Addressing Hindsight Bias in Multi-Goal Reinforcement Learning. *IEEE Transactions on Cybernetics*, vol. 53, no. 1, pp. 392-405, 2023.
21. L. Zhang, **Y. Wang**, M. Schuemie, D.M. Blei, and G. Hripcsak. Adjusting for indirectly measured confounding using large-scale propensity score. *Journal of Biomedical Informatics*, 2022.
22. W. Tansey, **Y. Wang**, R. Rabadan, and D.M. Blei. Double Empirical Bayes Testing. *International Statistical Review*, 88:S91-S113, 2020.
23. **Y. Wang** and J.R. Zubizarreta. Minimal Dispersion Approximately Balancing Weights: Asymptotic Properties and Practical Considerations. *Biometrika*, 107:1, 93-105, 2020. **ASA Biometrics Section Student Paper Award**
24. **Y. Wang** and D.M. Blei. The Blessings of Multiple Causes. *Journal of American Statistical Association* (with discussion), 114:528, 1574-1596, 2019. **Editor-Selected JSM Discussion Paper; EMR-IBS Student Paper Award**
25. **Y. Wang**, A.C. Miller, and D.M. Blei. Comment: Variational Autoencoders as Empirical Bayes, *Statistical Science*, 34(2), 229-233, 2019
26. **Y. Wang** and D.M. Blei. Frequentist Consistency of Variational Bayes. *Journal of American Statistical Association*, 114:527, 1147-1161, 2019. **INFORMS Data Mining Best Paper Award; ASA Section on Bayesian Statistical Science Student Paper Award**
27. **Y. Wang** and M.K.P. So. A Bayesian Hierarchical Model for Spatial Extremes with Multiple Durations. *Computational Statistics & Data Analysis*, 95, 39-56, 2016.

Conference Articles

28. A.N. Angelopoulos*, K. Krauth*, S. Bates, **Y. Wang**, and M.I. Jordan. Recommendation Systems with Distribution-Free Reliability Guarantees. *Symposium on Conformal and Probabilistic Prediction with Applications (COPA)*, 2023.

29. K.C. Wibisono and **Y. Wang**. Bidirectional attention as mixture of continuous word experts. In *Uncertainty in Artificial Intelligence (UAI)*, 2023. **Oral Presentation (Top 5% of All Submissions)**

30. B. Zhu, S. Bates, Z. Yang, **Y. Wang**, J. Jiao, and M.I. Jordan. The Sample Complexity of Online Contract Design. In *ACM Conference on Economics and Computation (EC)*, 2023.

31. K. Ahuja, D. Mahajan, **Y. Wang**, and Y. Bengio. Interventional Causal Representation Learning. In *International Conference on Machine Learning (ICML)*, 2023. **Oral Presentation (Top 3% of All Submissions)**

32. H. Zhang, S. Lu, **Y. Wang**, M. Curmei. Delayed and Indirect Impacts of Link Recommendations. In *ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT)*, 2023.

33. X. Lu, W. Ai, **Y. Wang**, and Q. Mei. Team Resilience under Shock: An Empirical Analysis of GitHub Repositories during Early COVID-19 Pandemic. In *International AAAI Conference on Web and Social Media (ICWSM)*, 2023.

34. M.I. Jordan*, **Y. Wang***, and A. Zhou*. Empirical Gateaux Derivatives for Causal Inference. In *Neural Information Processing Systems (NeurIPS)*, 2022. **Oral Presentation (Top 3% of All Submissions)**

35. C. Mendler-Dünner, F. Ding, and **Y. Wang**. Anticipating Performativity by Predicting from Predictions. In *Neural Information Processing Systems (NeurIPS)*, 2022.

36. W. Guo*, S. Wang*, P. Ding, **Y. Wang**, and M.I. Jordan. Multi-Source Causal Inference Using Control Variates. *Transactions on Machine Learning Research (TMLR)*, 2022.

37. G.E. Moran, D. Sridhar, **Y. Wang**, and D.M. Blei. Identifiable Variational Autoencoders via Sparse Decoding. *Transactions on Machine Learning Research (TMLR)*, 2022.

38. W. Guo, M. Yin, **Y. Wang**, M.I. Jordan. Partial Identification with Noisy Covariates: A Robust Optimization Approach. In *Conference on Causal Learning and Reasoning (CLeaR)*, 2022.

39. **Y. Wang**, D.M. Blei, and J.P. Cunningham. Posterior Collapse and Latent Variable Non-identifiability. In *Neural Information Processing Systems (NeurIPS)*, 2021.

40. **Y. Wang** and D.M. Blei. A Proxy Variable View of Shared Confounding. In *International Conference on Machine Learning (ICML)*, 2021.

41. A. Williams, A. Degleris, **Y. Wang**, and S. Linderman. Point process models for sequence detection in high-dimensional neural spike trains. In *Neural Information Processing Systems (NeurIPS)*, 2020. **Oral Presentation (Top 1.1% of All Submissions)**
42. **Y. Wang**, D. Liang, L. Charlin, and D.M. Blei. Causal Inference for Recommender Systems. In *ACM Conference on Recommender Systems (RecSys)*, 2020.
43. **Y. Wang** and D.M. Blei. Variational Bayes under Model Misspecification. In *Neural Information Processing Systems (NeurIPS)*, 2019.
44. V. Veitch, **Y. Wang**, and D.M. Blei. Using Embeddings to Correct for Unobserved Confounding. In *Neural Information Processing Systems (NeurIPS)*, 2019.
45. L. Zhang, **Y. Wang**, A. Ostropolets, J.J. Mulgrave, D.M. Blei, and G. Hripcsak. The Medical Deconfounder: Assessing Treatment Effect with Electronic Health Records. In *Machine Learning for Health Care (MLHC)*, 2019.
46. W. Tansey, **Y. Wang**, D.M. Blei, and R. Rabadan. Black Box FDR. In *International Conference on Machine Learning (ICML)*, 2018.
47. A. Kucukelbir, **Y. Wang**, and D.M. Blei. Evaluating Bayesian Models with Posterior Dispersion Indices. In *International Conference on Machine Learning (ICML)*, 2017.
48. **Y. Wang**, A. Kucukelbir, and D.M. Blei. Robust Probabilistic Modeling with Bayesian Data Reweighting. In *International Conference on Machine Learning (ICML)*, 2017. **ICSA International Conference Young Researcher Award**

Grants

1. *DMS: Toward Automated Uncertainty Quantification in Causal Inference* (PI). National Science Foundation. $220K. 2023-2026.
2. *Towards Practical Causal Inference for Recommender Systems: Combinatorial Interventions, Complex Evaluations, and Robust Generalization* (PI). Office of Naval Research. $420K. 2023-2026.
3. *Evaluating Delayed and Indirect Impacts of Recommender Systems for Trustworthy AI* (PI). 2023 UMich LSA Summer Research Program Award. $6K. 2023.
4. *Conferences and Workshops in the Mathematical Sciences (DMS: Statistics): Midwest Machine Learning Symposium* (Co-PI). National Science Foundation. $12K. 2023.
5. *Counterfactual Fairness in Natural Language Processing* (PI). 2022 UMich LSA Summer Research Program Award. $3K. 2022
6. *EAGER: ADAPT: Hypotheses Generation in Heterogeneous Catalysis using Causal Inference and Machine Learning* (Co-PI). National Science Foundation. $300K. 2022-2024.
7. *Bayesian Inference for Latent Hawkes Processes* (PI). Microsoft Azure Research Award. $20,000 Azure credit. 2017-2018.

Teaching

Instructor, University of Michigan
STATS/DATASCI 315: Statistics and Artificial Intelligence Fall 2022
STATS/DATASCI 451: Bayesian Data Analysis Fall 2022

"Causal Reasoning and Machine Learning" Tutorial, University of Michigan 2023
Eric and Wendy Schmidt AI in Science Postdoc Program Bootcamp

"Data Externalities" Tutorial 2021
ACM Conference on Fairness, Accountability, and Transparency (ACM FAccT)
(with Rediet Abebe, Yuan Cui, Mihaela Curmei, and Andreas Haupt)

Professional Activities

Senior Program Committee

Area chair, Neural Information Processing Systems (NeurIPS) 2023

Workshop proposal reviewer, Neural Information Processing Systems 2021, 2023

Area chair, International Conference on Learning Representations (ICLR) 2021, 2023

Area chair, ACM Conference on Equity and Access in Algorithms, Mechanisms, and Optimization (EAAMO) 2021

Area chair, International Conference on Machine Learning (ICML) 2020

Area chair, Women in Machine Learning Workshop (WiML) 2018-2021

Paper Competition Committee

Judge, ASA Section on Bayesian Statistical Science Paper Competition 2023

Scientific committee for the Blackwell-Rosenbluth Award by j-ISBA 2022, 2023

Referee, ASA Section on Bayesian Statistical Science Paper Competition 2018

Referee, ASA Survey Research Methods Section Poster Competition 2018

Referee, ASA Mental Health Section Paper Competition 2018

Journal Reviewing

Annals of Applied Statistics (AoAS)

Annals of Statistics (AoS)

Journal of American Statistical Association (JASA)

Journal of the Royal Statistical Society (JRSS)

Journal of Machine Learning Research (JMLR)

Transactions of Machine Learning Research (TMLR)

Bernoulli

Biometrics

Biometrika

Biostatistics

Canadian Journal of Statistics

Entropy

International Journal of Data Science and Analytics (JDSA)

Stat

Statistics and Computing

IEEE Transactions on Information Theory

IEEE Transactions on Knowledge and Data Engineering (TKDE)

IEEE Transactions on Signal Processing (TSP)

ACM Transactions on Intelligent Systems and Technology (TIST)

Foundations and Trends in Machine Learning

Conference Reviewing

Pacific Symposium on Biocomputing	2020
Workshop on Mechanism Design for Social Good	2020
Association for the Advancement of Artificial Intelligence Conference (AAAI)	2018
Artificial Intelligence and Statistics (AISTATS)	2017-2020, 2022
Neural Information Processing Systems (NeurIPS)	2016-2020, 2022
International Conference on Learning Representations (ICLR)	2017-2020
Uncertainty in Artificial Intelligence (UAI)	2021
International Conference on Machine Learning (ICML)	2017-2019
Women in Machine Learning Workshop (WiML)	2017
Advances in Approximate Bayesian Inference Workshop (AABI)	2017

Grant Reviewing

NSF CISE Panel Reviewer for Robust Intelligence 2022

NSF Methodology, Measurement, and Statistics Program 2021

AI Grant 2017

Workshop Organizing

Causality, Counterfactuals & Sequential Decision-Making (CONSEQUENCES) (RecSys 2023)

Midwest Machine Learning Symposium 2023

Learning Meaningful Representations of Life (NeurIPS 2022)

Causal Representation Learning (UAI 2022)

Learning Meaningful Representations of Life (NeurIPS 2021)

Bayesian Causal Inference for Real World Interactive Systems (KDD 2021)

Learning Meaningful Representations of Life (NeurIPS 2020)

Conference / Seminar Activities

Roundtable Mentor, Women in Machine Learning (WiML) Workshop mentorship program at NeurIPS 2020,2022

Moderator, Workshop on Modern Statistical and ML Methods for Big Data 2022

Mentor, Machine Learning for Health (ML4H) Workshop at NeurIPS 2020

ICML Newcomer Volunteer Mentor 2020

Organizer, Student meetings with statistics visitors, Columbia University 2017-2020

Organizer, Minghui Yu Memorial Conference, Columbia University 2015, 2016

Research Mentorship

Japheth Kasomo, Master's student, Mathematical Sciences, African Institute for Mathematical Sciences (AIMS), Rwanda 2021

University of Michigan

PhD Admissions Committee (2023)

Statistics Computing Committee (2023)

Statistics Undergraduate Curriculum Committee (2022,2023)

First year PhD mentorship: Yidan Xu (2021)

Current Ph.D. Students

Kevin Christian Wibisono (Expected 2026)

Yidan Xu (Expected 2026; Co-advised with Long Nguyen)

Current Postdoctoral Fellows

Weichi Yao (2022-)

Undergraduate Independent Research

Yue Yu 2022

Undergraduate Committees

Zhiyu (Ted) Yuan (Honors Thesis Defense; Advisor: Paramveer Dhillon) 2022

PhD Committees

Ziping Xu (UMich; Dissertation Defense; Advisor: Ambuj Tewari) 2023

Linying Zhang (Columbia; Dissertation Defense; Advisor: George Hripsack) 2023

Cameron Gruich (UMich; Thesis Proposal Exam; Advisor: Bryan Goldsmith) 2023

Mihaela Curmei (UC Berkeley; Thesis Proposal Exam; Advisor: Ben Recht) 2023

Seokhyun Chung (UMich; Dissertation Defense; Advisor: Raed Al Kontar) 2023

Prayag Chatha (UMich; Preliminary Exam; Advisor: Jeffrey Regier) 2022

Professional Memberships

Institute of Mathematical Statistics

American Statistical Association

Bernoulli Society

Royal Statistical Society

International Society for Bayesian Analysis

Institute for Operations Research and the Management Sciences

International Biometric Society ENAR

Invited Talks

Year 2023

1. ICSA Applied Statistics Symposium – ann arbor, mi
2. SIAM Conference on Optimization (OP23) Applications of Optimization for Causal Structure Learning – seattle, wa
3. UC San Diego Halicioglu Data Science Institute Colloquia Lecture – san diego, ca
4. Cosmic Connections: A ML X Astrophysics Symposium at Simons Foundation – new york, ny
5. Invited Discussant at the Online Causal Inference Seminar – online
6. Max Planck Institute Empirical Inference Seminar – Tuebingen, Germany
7. ETH Zurich Young Data Science Researcher Seminar – online
8. Boston University Statistics and Probability Seminar – Boston, MA
9. Dagstuhl Seminar on Challenges and Perspectives in Deep Generative Modeling, Keynote Talk – Wadern, Germany
10. Causality Discussion Group – online

Year 2022

11. Cornell Tech Seminar on People, Data, and Systems – new york, ny
12. Duke Statistics Seminar – durham, nc
13. Netflix Research Seminar – online
14. JSM Invited E-Poster Session – washington, d.c.
15. JSM Invited Session on Applications of Text Analysis – washington, d.c.
16. Columbia Data Science Institute – new york, ny
17. Women in Machine Learning Un-Workshop at ICML 2022 – online
18. CVPR workshop on "Explainable AI for Computer Vision" – online
19. Imperial College London Computing Seminar – online
20. UCSD AI Seminar – online
21. Amazon Core AI Science Workshop – online
22. Laplace's Causal Demon Seminar – online
23. University of Michigan Statistics Student Seminar – ann arbor, mi
24. One World ABC Seminar – online

25. 4th Symposium on Advances in Approximate Bayesian Inference (AABI) – ONLINE
26. Vector Institute Seminar – ONLINE

Year 2021

27. Trustworthy ML Reading Group – ONLINE
28. NeurIPS 2021 "Your model is wrong: Robustness & misspecification in probabilistic models" Workshop – ONLINE
29. Causal Data Science Meeting – ONLINE
30. Junior Bayes Beyond the Borders (JB^3) Seminar – ONLINE
31. Cambridge Machine Learning Group Seminar – ONLINE
32. BAIR/CPAR/BDD Seminar – BERKELEY, CA
33. Microsoft Research Summit – ONLINE
34. Rutgers University ECE Colloquium – ONLINE
35. University of Michigan Statistics Student Seminar – ANN ARBOR, MI
36. Laplace's Demon Seminar – ONLINE
37. UC Berkeley RISE Summer Retreat – ONLINE
38. Semantic Information MURI Seminar– ONLINE
39. UC Berkeley Causal Inference Group – ONLINE
40. UC Berkeley Biostatistics Seminar – ONLINE
41. UC Berkeley Science ML Group – ONLINE

Year 2020

42. ByteDance – ONLINE
43. Harvard Medical School Systems Biology Journal Club – ONLINE
44. Pennsylvania State University Statistical Learning and Data Mining Lab – ONLINE
45. Columbia University Econometrics Workshop – ONLINE
46. ETH-Zurich Computer Science Seminar – ONLINE
47. Stanford University Computer Science Seminar – PALO ALTO, CA
48. University College London Gatsby Unit Machine Learning Seminar – LONDON, UK
49. University of Wisconsin Madison Statistics Seminar – MADISON, WI
50. Yale University Statistics Seminar – NEW HAVEN, CT

51. Stanford University Statistics Seminar – PALO ALTO, CA
52. UCLA Statistics Seminar – LOS ANGELES, CA
53. Caltech Computational and Mathematical Sciences Seminar – LOS ANGELES, CA
54. Toyota Institute of Technology in Chicago Machine Learning Seminar – CHICAGO, IL
55. University of Toronto Statistics Seminar – TORONTO, CA
56. Carnegie Mellon University Statistics Seminar – PITTSBURG, PA
57. New York University Mathematics and Data Science Seminar – NEW YORK, NY
58. MIT Operations Research / Statistics Seminar – BOSTON, MA
59. Rutgers University Statistics Seminar – NEW BRUNSWICK, NJ
60. Columbia University Decision, Risk, and Operations Seminar – NEW YORK, NY
61. University of Texas Austin Statistics Seminar – AUSTIN, TX
62. University of Minnesota Statistics Seminar – MINNEAPOLIS, MN
63. University of Chicago Statistics Seminar – CHICAGO, IL
64. University of Michigan Statistics Seminar – ANN ARBOR, MI
65. University of British Columbia Statistics Seminar – VANCOUVER, CA
66. University of Southern California Statistics and Data Science Seminar – LOS ANGELES, CA
67. London Business School Management Science and Operations Seminar – LONDON, UK
68. Northwestern IEMS/CS Seminar – EVANSTON, IL

Year 2019

69. University of Waterloo Statistics Seminar – WATERLOO, CA
70. McGill University Statistics Seminar – MONTREAL, CA
71. UC Irvine Statistics Seminar – IRVINE, CA
72. UC San Diego Statistics Seminar – SAN DIEGO, CA
73. University of Michigan IOE Seminar – ANN ARBOR, MI
74. UIUC Statistics Seminar – CHAMPAGNE, IL
75. EPFL Statistics Seminar – LAUSANNE, SWITZERLAND
76. University of Texas Austin Business Analytics Seminar – AUSTIN, TX
77. Harvard University Biostatistics and Epidemiology Seminar – BOSTON, MA

78. North Carolina State University Statistics Seminar – RALEIGH, NC
79. Vector Institute Machine Learning Seminar – TORONTO, CA
80. Queen's University Business Analytics Seminar – KINGSTON, CA
81. University of Notre Dame Business Analytics Seminar – NOTRE DAME, IN
82. Columbia University Medical Center "Causality and the City" Lecture – NEW YORK, NY
83. Harvard Design of Experimental and Nonexperimental Studies Seminar – BOSTON, MA
84. Mckinsey & Company QuantumBlack Data Science Seminar – BOSTON, MA
85. Joint Statistical Meetings – DENVER, CO
86. ICSA Applied Statistics Symposium – RALEIGH, NC
87. AAAI Spring Symposium Beyond Curve Fitting: Causation, Counterfactuals, and Imagination-based AI – STANFORD, CA

Year 2018

88. NYC Artificial Intelligence & Machine Learning Meetup – NEW YORK, NY
89. Novartis Pharmaceuticals Analytics Conference – EAST HANOVER, NJ
90. University of Pennsylvania Center for Causal Inference Meeting – PHILADELPHIA, PA
91. Cornell Artificial Intelligence Seminar – ITHACA, NY
92. Columbia Computational Social Science Seminar *(with David Blei)* – NEW YORK, NY
93. RISELab at University of California Berkeley– BERKELEY, CA
94. Joint Statistical Meetings – VANCOUVER, CA
95. ISBA World Meeting – EDINBURG, UK
96. BEEHIVE at Princeton University – PRINCETON, NJ
97. The Chodera Lab at Memorial Sloan Kettering Cancer Center – NEW YORK, NY
98. Minghui Yu Memorial Conference – NEW YORK, NY

Before 2018

99. NIPS Approximate Bayesian Inference Workshop – LONG BEACH, CA 2017
100. AT&T Labs – NEW YORK, NY 2017
101. Novartis Pharmaceuticals – EAST HANOVER, NJ 2017
102. INFORMS Annual Meeting – HOUSTON, TX 2017

103. Etsy – BROOKLYN, NY 2017
104. ICSA International Conference – SHANGHAI, CHINA 2016
105. Joint Statistical Meetings – CHICAGO, IL 2016
106. The New York Academy of Sciences Machine Learning Symposium – NEW YORK, NY 2016