Vitae

MICHAEL I. JORDAN

Department of Electrical Engineering and Computer Sciences
Department of Statistics
University of California
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EDUCATION

PhD in Cognitive Science, 1985
University of California, San Diego.

MS in Mathematics (Statistics), 1980
Arizona State University.

BS *magna cum laude* in Psychology, 1978
Louisiana State University.

PROFESSIONAL EXPERIENCE

Directeur de Recherche, Inria and Département d'Informatique de l'École Normale Supérieure, Paris, France

Professor Emeritus – Department of Electrical Engineering and Computer Sciences, Department of Statistics, Department of Industrial Engineering and Operations Research, University of California, Berkeley, 2024 – present.

Professor – Department of Electrical Engineering and Computer Sciences, Department of Statistics, University of California, Berkeley, 1998 – 2024.

Professor – Department of Industrial Engineering and Operations Research, University of California, Berkeley, 2017 – 2024.

Honorary Doctorate of Engineering and Technology – Yale University, 2020.

Honorary Professor – Tsinghua University, 2023 – present.

Honorary Professor – Peking University, 2018 – present.

Chair – Department of Statistics, University of California, Berkeley, 2015-2017.

Distinguished Visiting Professor – Tsinghua University, 2017 – 2019.

Chaire d'Excellence – Fondation Sciences Mathématiques de Paris, 2012.

Professor – Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, 1997 – 1998.

Associate professor with tenure – Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, 1994 – 1997.

Associate professor – Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, 1992 – 1994.

Assistant professor – Department of Brain and Cognitive Sciences, Massachusetts Institute of Technology, 1988 – 1992.

Postdoctoral researcher – Department of Computer and Information Science, University of Massachusetts, Amherst, 1986 – 1988.

RESEARCH INTERESTS

Statistical Machine Learning, Variational Inference, Optimization Theory, Game Theory, Mechanism Design, Control Theory, Bayesian Nonparametric Statistics, Distributed Systems, Graphical Models, Computational Biology, Statistical Genetics, Human Motor Control, Speech Production and Cognitive Modeling

HONORS

BBVA Foundation Frontiers of Knowledge Award in Information and Communication Technologies, 2025.

Member, Accademia di Ingegneria e Tecnologia (Italian Academy of Engineering and Technology), 2025

Laureate Distinguished Fellow, International Engineering and Technology Institute (IETI), 2025.

Academy Award, National Academy of Artificial Intelligence (NAAI), 2025.

Bruno De Finetti Lecture, International Society for Bayesian Analysis, 2024.

Leonardo da Vinci Lecturer, Istituto Lombardo, 2023.

Inaugural World Laureates Association (WLA) Prize in Computer Science or Mathematics, 2022.

Inaugural Grace Wahba Lecturer, Institute of Mathematical Statistics (IMS), 2022.

Fellow, Asia-Pacific Artificial Intelligence Association (AAIA), 2022.

Chair Professorship, Woxsen University, Hyderabad, India, 2022-2024.

Foreign Member of the Royal Society, 2021.

Ulf Grenander Prize in Stochastic Theory and Modeling, American Mathematical Society (AMS), 2021.

Mitchell Prize, International Society for Bayesian Analysis (ISBA), 2021.

Vannevar Bush Faculty Fellowship, 2021-2026.

Honorary Doctorate of Engineering and Technology, Yale University, 2020.

John von Neumann Medal, IEEE, 2020.

World's Most Innovative People Award, World Summit on Innovation and Entrepreneurship, 2019.

Plenary Speaker, International Congress of Mathematicians, 2018.

Miller Research Professorship, University of California, Berkeley, 2017-2018.

IJCAI Award for Research Excellence, 2016.

David E. Rumelhart Prize, 2015.

Fellow, International Society for Bayesian Analysis (ISBA), 2014.

Fellow, Society for Industrial and Applied Mathematics (SIAM), 2012.

Elected Member, International Statistical Institute (ISI), 2012.

Member, American Academy of Arts and Sciences (AAAS), 2011.

Neyman Lecture, Institute of Mathematical Statistics (IMS), 2011.

Member, National Academy of Sciences (NAS), 2010.

Member, National Academy of Engineering (NAE), 2010.

Fellow, Association for Computing Machinery (ACM), 2010.

Fellow, Cognitive Science Society (CSS), 2010.

ACM/AAAI Allen Newell Award, 2009.

Honorary Professor of Hebei University, China, 2009.

SIAM Activity Group on Optimization Prize, 2008.

Miller Research Professorship, University of California, Berkeley, 2008.

Fellow, American Statistical Association (ASA), 2007.

Fellow, American Association for the Advancement of Science (AAAS), 2006.

IEEE Neural Networks Pioneer Award, 2006.

Pehong Chen Distinguished Professorship, University of California, 2006.

Diane S. McEntyre Award for Excellence in Teaching, 2006.

Fellow, Institute of Mathematical Statistics (IMS), 2005.

Fellow, Institute of Electrical and Electronics Engineers (IEEE), 2005.

Institute Medallion Lecturer, Institute of Mathematical Statistics (IMS), 2004.

Fellow, American Association for Artificial Intelligence (AAAI), 2002.

MIT Class of 1947 Career Development Award, 1992 – 1995.

NSF Presidential Young Investigator Award, 1991 – 1996.

NAMED LECTURES

Hotelling Lectures, University of North Carolina, 2026.

Lawrence D. Brown Distinguished Lectures, University of Pennsylvania, 2025.

Al-Kindi Distinguished Statistics Lecture, King Abdullah University of Science and Technology, 2024.

Infosys-Turing Lectures, International Centre for Theoretical Sciences, Bangalore, 2023.

Mohammed Dahleh Distinguished Lecture, University of California, Santa Barbara, 2022.

LeeAnn and Walter Muller Distinguished Lecture, Georgia Tech, 2022.

Rustagi Memorial Lecture, Ohio State University, 2022.

Inaugural Jeffrey L. Elman Distinguished Lecture, University of California, San Diego, 2021.

Indira Foundation Lecture, Indian Institute of Technology Bombay, 2019.

Fields Institute Distinguished Lecture in Statistical Sciences, Toronto, 2019.

J. Mark Sowers Distinguished Lecture, Virginia Tech, 2019.

Warren Center Distinguished Lecture, University of Pennsylvania, 2019.

Taskar Lecture, University of Washington, 2018.

Milne Lecture, Oregon State University, 2017.

Challis Lecture, University of Florida, 2017.

Wilks Memorial Lecture, Princeton University, 2016.

Jon Postel Lecture, University of California, Los Angeles, 2016.

Gene Brice Colloquium, Rice University, 2016.

John von Neumann Lecture, Brown University, 2015.

Coxeter Lecture Series, Fields Institute for Research in Mathematical Sciences, 2015.

Bahadur Memorial Lecture, University of Chicago, 2015.

Harry Nyquist Distinguished Lecture, Yale University, 2013.

Vincent Meyer Colloquium, Israel Institute of Technology, 2012.

Constance van Eeden Colloquium, University of British Columbia, 2012.

Ernst Ising Lecture, Brown University, 2011.

Dertouzos Lecture, Massachusetts Institute of Technology, 2011.

George A. Bekey Lecture, University of Southern California, 2011.

Thomas E. Noonan Lecture, Georgia Institute of Technology, 2011.

R. L. Anderson Lecture, University of Kentucky, 2011.

S. James Press Endowed Lecture, University of California, Riverside, 2010.

Posner Lecture, Neural Information Processing Systems Annual Conference, 2010.

Morris H. DeGroot Memorial Lecture, Carnegie Mellon University, 2009.

Pao-Lu Hsu Lecture, Beijing University, 2009.

Paul Rockwood Memorial Lecture, Institute for Neural Computation, 1996.

BEST PAPER AWARDS

Test-of-Time Award Honorable Mention (with John Schulman, Philipp Moritz, Sergey Levine, and Pieter Abbeel) for "Trust region policy optimization," at the 2015 International Conference on Machine Learning (ICML), 2025.

Frontiers of Science Award (with John Duchi and Martin Wainwright) for "Minimax optimal procedures for locally private estimation," from the International Congress of Basic Science, 2025.

Frontiers of Science Award (with Yuchen Zhang, Mingsheng Long, Kaiyuan Chen, Lanxiang Xing, Ronghua Jin, and Jianmin Wang) for "Skilful nowcasting of extreme precipitation with NowcastNet," from the International Congress of Basic Science, 2025.

Alexey Chervonenkis Best Paper Award (with A. Angelopolous, S. Bates, K. Krauth, and Y. Wang), for "Recommendation systems with distribution-free reliability guarantees," in the 12th Symposium on Conformal and Probabilistic Prediction with Applications, 2023.

Outstanding Paper Award (with N. Haghtalab and E. Zhao), for "On-demand sampling: Learning optimally from multiple distributions" in Neural Information Processing Systems (NeurIPS), 2022.

Outstanding Paper Award (with P. Karimireddy and W. Guo), for "Mechanisms that incentivize data sharing in federated learning" in Federated Learning Workshop (FL-NeurIPS), 2022.

Best Paper Award Honorable Mention (with R. Lopez and I. Dhillon), for "Learning From extreme bandit feedback" in AAAI 2021.

Ten-Year Influential Paper (with A. Ganapathi, H. Kuno, U. Dayal, J. Wiener, A. Fox, and D. Patterson). IEEE International Conference on Data Engineering (ICDE), 2019.

Notable Paper Award (with R. Giordano, W. Stephenson, R. Liu and T. Broderick), Artificial Intelligence and Statistics (AISTATS), 2019.

Best Paper Award (with C. Jin, Z. Allen-Zhu and S. Bubeck), ICML Workshop on Exploration in Reinforcement Learning, 2018.

Most Read Paper in the journal *Optimization Methods and Software* (with C. Ma, et al.), 2017.

SIGIR Test of Time Honorable Mention (with D. Blei, for "Modeling annotated data" in SIGIR 2003), 2015.

ICML Test of Time Award (with F. Bach and G. Lanckriet), for "Multiple kernel learning, conic duality, and the SMO algorithm" in International Conference on Machine Learning (ICML 2004), 2014.

Best Student Paper Award (with P. Wang, K. Laskey and C. Domeniconi), SIAM International Conference on Data Mining (SDM), 2011.

Best Student Paper Award (with J. Duchi and L. Mackey), International Conference on Machine Learning (ICML), 2010.

Best Student Paper Award (with P. Liang), International Conference on Machine Learning (ICML), 2008.

IEEE Signal Processing Society Young Author Award (with X. Nguyen and M. Wainwright), 2007.

Best Student Paper Award (with P. Flaherty and A. Arkin), Neural Information Processing Systems (NIPS), 2005.

Best Paper Award (with X. Nguyen and M. Wainwright), International Conference on Machine Learning (ICML), 2004.

Best Paper Award honorable mention (with F. Bach and G. Lanckriet), International Conference on Machine Learning (ICML), 2004.

Best Student Paper Award (with D. Blei, T. Griffiths and J. Tenenbaum), Neural Information Processing Systems (NIPS), 2003.

Best Paper Award nominee (with B. Sinopoli, M. Franceschetti, L. Schenato, K. Poolla, and S. Sastry), 42nd IEEE Conference on Decision and Control (CDC), 2003.

Best Student Paper Award runner-up (with E. Xing and S. Russell), Uncertainty in Artificial Intelligence (UAI), 2003.

Best Student Paper Award (with T. Jaakkola), Uncertainty in Artificial Intelligence Conference (UAI), 1996.

Best Paper Award (with R. Jacobs), American Control Conference (ACC), 1991.

EDITORIAL BOARDS

Minimax Theory and its Applications (Editorial Board, 2022-)

Statistical Science (Associate Editor, 2020-2023)

SIAM Journal on the Mathematics of Data Science (Founding Section Editor, 2018-2020)

Foundations and Trends in Machine Learning (Editor-in-Chief, 2007-2023)

Bayesian Analysis (Editor, 2006-2011)

Stochastic Analysis and Applications (Honorary Editorial Board, 2010-)

Information and Inference (Associate Editor, 2011-2020)

Knowledge and Information Systems (Honorary Editor-in-Chief, 2016-)

IEEE Signal Processing Magazine (Editorial Board, 2010-2014)

Statistics and Computing (Advisory Board, 2013-)

Foundations and Trends in Optimization (Editorial Board, 2013-)

IEEE Signal Processing Magazine (Guest Editor, Special Issue on Graphical Models, 2010)

Journal of the American Statistical Association (Associate Editor, 1998-2001)

Journal of Machine Learning Research (Action Editor, 2000-2009)

Neural Computation (Associate Editor, 1989-2014)

Statistical Analysis and Data Mining (Associate Editor, 2006-2009)

Machine Learning (Action Editor, 1993-1999)

Journal of Artificial Intelligence Research (Editorial Board, 1998-2001)

International Journal of Machine Learning and Cybernetics (Advisory Board, 2010-)

Cognition (Editorial Board, 1992-1998)

International Journal of Neural Systems (Editorial Advisory Board, 2002-2010)

Neural Networks (Editorial Board, 1994-2008)

Neurocomputing (Editorial Board, 1994-2003)

Neural Processing Letters (Editorial Board, 1994-2007)

OTHER PROFESSIONAL ACTIVITIES

President, International Society for Bayesian Analysis (ISBA), 2010-2011

ACM Turing Award Committee, 2011-2014

Membership Committee, American Academy of Arts and Sciences (AAAS), 2011-2017

IMS Committee on Special Lectures, 2011-2014

Series Editor, Springer-Verlag Series on Statistics and Information Sciences

Series Editor, MIT Press Series on Adaptive Computation and Machine Learning

Executive Committee, International Society for Bayesian Analysis (ISBA), 2009-2012

Prize Committee, International Society for Bayesian Analysis (ISBA), 2009-2010

Advisory Board, Bayesian Analysis (Journal of the International Society for Bayesian Analysis)

Scientific Advisory Board, ARC Centre of Excellence for Mathematical and Statistical Frontiers of Big Data, Big Models, New Insights, 2014-

Scientific Advisory Board, Institute of Mathematical Statistics, Tokyo, Japan, 2008-

External Advisory Board, Statistics and Operational Research Doctoral Training Centre, Lancaster University, 2010-

Founding Board Member of the International Machine Learning Society (IMLS), 2001-2009

Member of the Neural Information Processing Systems (NIPS) Foundation Board, 1998-

Session Organizer, IMS Annual Meeting, 2010

Chair, MIT Press Editorial Advisory Board, 1994-1998

Advisory Council for the International Association for the Study of Attention and Performance, 1994-2002

Program Chair, NIPS (Neural Information Processing Systems Conference), 1996

General Chair, NIPS (Neural Information Processing Systems Conference), 1997

Advisory Editor, MIT Encyclopedia of the Cognitive Sciences

Director – NATO ASI Summer School on Learning in Graphical Models, Erice, Italy, September, 1996

GRADUATE AND POSTDOCTORAL SUPERVISION

Graduate Student Supervision

Eric Loeb, 1989–1995; Zoubin Ghahramani, 1990–1995; John Houde, 1990–1997; Wey Fun, 1991–1995; Philip Sabes, 1991–1996; Tommi Jaakkola, 1992–1997; Emanuel Todorov, 1992–1998; Marina Meila, 1992–1999; Andrew Ng, 1997–2003; David Blei, 1999–2004; Alice Zheng, 1999–2005; Eric Xing, 2000–2004; Jon McAuliffe, 2000–2005; Francis Bach, 2000–2005; Gert Lanckriet, 2000–2005; Brian Vogel, 2001–2005; Patrick Flaherty, 2001–2007; XuanLong Nguyen, 2001–2007; Barbara Engelhardt, 2001–2007; Romain Thibaux, 2003–2008; Simon Lacoste-Julien, 2003–2009; Guillaume Obozinski, 2003–2009; Sarah Moussa, 2003–2005; Ben Blum, 2004–2008; Alex Simma, 2004–2010; Peter Bodik, 2004–2010; Junming Yin, 2005–2010; Alexandre Bouchard-Côté, 2005–2010; Sriram Sankararaman, 2005–2010; Percy Liang, 2005–2011; Chris Hundt, 2006–2008; Alex Shyr, 2006–2011; Kurt Miller, 2006–2011; Daniel Ting, 2006–2011; Ariel Kleiner, 2006–2012; Fabian Wauthier, 2006–2013; Lester Mackey, 2007–2012; John Duchi, 2008–2014; Tamara Broderick, 2009–2014; Teodor Moldovan, 2009–2014; Andre Wibisono, 2010–2016; Yuchen Zhang, 2011–2016; Ashia Wilson, 2012–2018; Virginia Smith, 2012–2017; Xinghao Pan, 2012–2017; Nicholas Boyd, 2012–2018; Ahmed El Alaoui, 2013–2018; Robert Nishihara, 2013–2019; Philipp Moritz, 2013–2019; Chi Jin, 2013–2019; Ryan Giordano, 2014–2019; Max Rabinovich, 2014–2019; Xiang Cheng, 2014–2020; Horia Mania, 2014–2020; Lihua Lei, 2015–2019; Jianbo Chen, 2015–2019; Chelsea Zhang, 2015–2020; Max Simchowitz, 2015–2021; Mitchell Stern, 2015–2020; Nilesh Tripuraneni, 2016–2022; Koulik Khamaru, 2016–2022; Eric Mazumdar, 2016–2021; Esther Rolf, 2016–2022; Aldo Pacchiano, 2016–2021; Romain Lopez, 2016–2021; Chiao-Yu Yang, 2016–2021; Lydia Liu, 2017–2022; Karl Krauth, 2017–2022; Melih Elibol, 2017–2022; Tijana Zrnic, 2017–2023; Jake Soloff, 2017–2022; Serena Wang, 2018–2024; Akosua Busia, 2018–2023; Wenshuo Guo, 2018–2023; Tianyi Lin, 2018–2023; Clara Wong-Fannjiang, 2018–2023; Anastasios Angelopoulos, 2019–2024; Neha Wadia, 2019–2022; Banghua Zhu, 2019–2024; Reese Pathak, 2019–2025; Mariel Werner, 2019–2024; Pierre Boyeau, 2020–2025; Yaodong Yu, 2020–2024; Meena Jagadeesan, 2020–2025; Alex Wei, 2020–2023; Jordan Lekeufack Sopze, 2020–2025; Drew Nguyen, 2020–; Eric Zhao, 2021–2025; Paula Gradu, 2021–; Tiffany Ding, 2021–; Ezinne Nwankwo, 2021–; Nivasini Ananthakrishnan, 2021–; Xinyan Hu, 2022–; Baihe Huang, 2022–; Francisca Vasconcelos, 2022–; Tianyu Guo, 2022–; Eugene Berta, 2022–; Ricardo Sandoval, 2022–; Jivat Neet Kaur, 2023–; Annie Ulichney, 2023–; Xuelin Yang, 2023–; Aymeric Capitaine, 2023–; Antoine Scheid, 2023–; Nabil Boukir, 2023–; Mahmoud Hegazy, 2023–; Etienne Gauthier, 2023–; Sacha Braun, 2023–

Postdoctoral Supervision

Robert Jacobs, 1990–1992; Marios Mantakas, 1990–1991; Yoshua Bengio, 1991–1992; Lei Xu, 1992–1993; David Cohn, 1992–1995; Daniel Wolpert, 1992–1995; Satinder Singh, 1993–1995; Lawrence Saul, 1994–1996; Thomas Hofmann, 1997–1999; Yair Weiss, 1998–2001; Chiranjib Bhattacharyya, 2000–2002; Sekhar Tatikonda, 2000–2002; Michal Rosen-Zvi, 2002–2003; Martin Wainwright, 2002–2004; Yee-Whye Teh, 2003–2005; Matthias Seeger, 2003–2005; Ben Taskar, 2004–2006; Fei Sha, 2006–2007; Zhihua Zhang, 2006–2008; Erik Sudderth, 2006–2009; Gad Kimmel, 2006–2008; Charles Sutton, 2007–2009; Emily Fox, 2010–2011; Justin Ma, 2010–2012; Ameet Talwalkar, 2010–2014; Purnamrita Sarkar, 2010–2014; John Paisley, 2011–2013; Jennifer Tom, 2011–2013; Venkat Chandrasekaran, 2011–2012; Stefanie Jegelka, 2012–2014; Joseph Gonzalez, 2012–2015; Xi Chen, 2013–2014;

Elaine Angelino, 2014–2017; Yun Yang, 2014–2016; Jason Lee, 2015–2016; Aaditya Ramdas, 2015–2018; Jeff Regier, 2016–2019; Sarah Brown, 2017–2018; Nicolas Flammarion, 2017–2019; Nhat Ho, 2017–2020; Yi-An Ma, 2017–2019; Michael Muehlebach, 2018–2020; Jelena Diakonikolas, 2018–2019; Elynn Chen, 2019–2021; Junchi Li, 2019–2023; Feng Ruan, 2019–2022; Bin Shi, 2019–2021; Adam Sealfon, 2019–2022; Kirthevasan Kandasamy, 2019–2022; Xiaowu Dai, 2019–2022; Guilherme França, 2020–2022; Mariano Gabitto, 2020–2022; Yixin Wang, 2020–2021; Nikhil Garg, 2020–2021; Manolis Zampetakis, 2020–2023; Stephen Bates, 2020–2023; Ellen Vitercik, 2021–2022; Angela Zhou, 2021–2022; Tatjana Chavdarova, 2021–2023; Elior Rahmani, 2021–2025; Sai Praneeth Karimireddy, 2022–2024; Chara Podimata, 2022–2023; Emmanouil Vasileios Vlatakis-Gkaragkounis, 2022–2024; Alireza Fallah, 2023–2025; Lydia Zakynthinou, 2023–2025; Yurong Chen, 2024–; Liviu Aolaritei, 2024–; Linda Cai, 2024–; Ian Waudby-Smith, 2024–; Keegan Harris, 2025–

JOURNAL ARTICLES

Angelopoulos, A., Bates, S., Candès, E., Jordan, M. I., & Lei, L. (2025). Learn then test: Calibrating predictive algorithms to achieve risk control. *Annals of Applied Statistics*, *19*, 1641-1662.

Jordan, M. I., & (to appear). Ji, W., Yuan, W., Getzen, E., Cho, K., Jordan, M. I., Mei S., Weston, J., Su, W., Xu, J., & Zhang, L. (to appear). An overview of large language models for statisticians. *The American Statistician*.

Vasconcelos, F., Vlatakis-Gkaragkounis, E-V., Mertikopoulos, P., Piliouras, G., & Jordan, M. I. (2025). A quadratic speedup in finding Nash equilibria of quantum zero-sum games. *Quantum*, *9*, 1737-1764.

Mühlebach, M., & Jordan, M. I. (to appear). Accelerated first-order optimization under nonlinear constraints. *Mathematical Programming*.

Boyeau, P., Hong, J., Gayoso, A., Kim, M., McFaline-Figueroa, J., Jordan, M. I., Azizi, E., Ergen, C., & Yosef, N. (to appear). Deep generative modeling of sample-level heterogeneity in single-cell genomics *Nature Methods*.

Mazumdar, E., Jordan, M. I., and Sastry, S. (to appear). On finding local Nash equilibria (and only local Nash equilibria) in zero-sum games. *Journal of Data Science*.

Krauth, K., Wang, Y., & Jordan, M. I. (to appear). Breaking feedback loops in recommender systems with causal inference, *ACM Transactions on Recommender Systems*.

Lin, T., Jin, C., & Jordan, M. I. (2025). Two-timescale gradient descent ascent algorithms for nonconvex minimax optimization. *Journal of Machine Learning Research*, *25*, 1-64.

Ho, N., Khamaru, K., Dwivedi, R., Wainwright, M., Jordan, M. I., & Yu, B. (2025). Instability, computational efficiency and statistical accuracy. *Journal of Machine Learning Research*, *26*, 1-68.

Boger, R., Chithrananda, S., Angelopoulos, A., Yoon, P., Jordan, M. I., & Doudna, J. (2025). Functional protein mining with conformal guarantees, *Nature Communications*, *16*, 85.

Qiu, S., Lyu, B., Meng, Q., Wang, Z., Yang, Z., & Jordan, M. I. (2025). Learning dynamic mechanisms in unknown environments: A reinforcement learning approach. *Journal of Machine Learning Research*, *25*(397), 1—73.

Wang, Y., & Jordan, M. I. (2024). Desiderata for representation learning: A causal perspective. *Journal of Machine Learning Research*, *25*, 1-65.

Gradu, P., Zrnic, T., Wang, Y., & Jordan, M. I. (2024). Valid inference after causal discovery. *Journal of the American Statistical Association*, 1-12, https://doi.org/10.1080/01621459.2024.2402089.

Berman, F., Banks, D., Jordan, M. I., Leonelli, S., & Minow, M. (2024). Amid advancement, apprehension, and ambivalence: AI in the human ecosystem. *Harvard Data Science Review*, *6*, https://doi.org/10.1162/99608f92.2be2c754.

Dai, X., Xu, W., Qi, Y., & Jordan, M. I. (2024). Incentive-aware recommender systems in two-sided markets. *ACM Transactions on Recommender Systems*, *2*, 10.1145/3674158.

Lin, T., & Jordan, M. I. (2024). Perseus: A simple and optimal high-order method for variational inequalities. *Mathematical Programming*, https://doi.org/10.1007/s10107-024-02075-2.

Shi, B., Su, W., & Jordan, M. I. (2024). On learning rates and Schrödinger operators. *Journal of Machine Learning Research*, *24*, 1-57.

Lin, T., & Jordan, M. I. (2024). A continuous-time perspective on global acceleration for monotone equation problems. *Communications in Optimization Theory*, *40*, 1-25.

Jordan, M. I., Lin, T., & Zhou, Z. (2024). Adaptive, doubly optimal no-regret learning in games with gradient feedback. *Operations Research*, *73*, https://doi.org/10.1287/opre.2022.0446.

Xia, E., Khamaru, K., Wainwright, M., & Jordan, M. I. (2024). Instance-dependent confidence and early stopping for reinforcement learning. *Journal of Machine Learning Research*, *24*, 1-57.

Chen, E., Song, R., & Jordan, M. I. (2024). Reinforcement learning in latent heterogeneous environments. *Journal of the American Statistical Association*, *119*, 1-32.

Mou, W., Ho, N., Wainwright, M., Bartlett, P., and Jordan, M. I. (2024). A diffusion process perspective on posterior contraction rates for parameters. *SIAM Journal on Mathematics of Data Science*, *6*, 553-577.

Wadia, N., Dandi, Y., and Jordan, M. I. (2024). A gentle introduction to gradient-based optimization and variational inequalities for machine learning. *Journal of Statistical Mechanics: Theory and Experiment*, 10.1088/1742-5468/ad3194.

Angelopoulos, A., Bates, S., Fannjiang, C., Jordan, M. I., & Zrnic, T. (2023). Prediction-powered inference. *Science*, *382(6671)*, 669-674.

Zhang, Y., Long, M., Chen, K., Xing, L., Jin, R., Jordan, M. I., & Wang, J. (2023). Skilful nowcasting of extreme precipitation with NowcastNet. *Nature*. *619* (7970), 526-532.

Jagadeesan, M., Wei, A., Wang, Y., Jordan, M. I., & Steinhardt, J. (2023). Learning equilibria in matching markets with bandit feedback. *Journal of the ACM*, https://doi.org/10.1145/3583681.

Chavdarova, T., Jordan, M. I., & Zampetakis, E. (2023). Last-iterate convergence of saddle point optimizers via high-resolution differential equations. *Minimax Theory and its Applications*, *8*, 333-380.

Boyeau, P., Regier, J., Gayoso, A., Jordan, M. I., Lopez, R., & Yosef, N. (2023). An empirical Bayes method for differential expression analysis of single cells with deep generative models. *Proceedings of the National Academy of Sciences*, 10.1073/pnas.2209124120.

Zrnic, T., & Jordan, M. I. (2023). Post-selection inference via algorithmic stability. *Annals of Statistics*, *51*, 1666-1691.

Lin, T., & Jordan, M. I. (2023). On monotone inclusions, acceleration and closed-loop control. *Mathematics of Operations Research*, https://doi.org/10.1287/moor.2022.1343.

Werner, M., He, L., Karimireddy, S. P., Jordan, M. I., & Jaggi, M. (2023). Provably personalized and robust federated learning. *Transactions on Machine Learning Research*, https://openreview.net/id=B0uBSSUy0G.

Bhatia, K., Ma, Y-A., Dragan, N., Bartlett, P., & Jordan, M. I. (2023). Bayesian robustness: A nonasymptotic viewpoint. *Journal of the American Statistical Association*, doi.org/10.1080/01621459.2023.2174121.

Ashuach, T., Gabitto, M., Koodli, R., Saldi, G.-A., Jordan, M. I., & Yosef, N. (2023). MultiVI: deep generative model for the integration of multi-modal data. *Nature Methods*, *20*, 1222–1231.

Kandasamy, K., Gonzalez, J., Jordan, M. I., Stoica, I. (2023). VCG mechanism design with unknown agent values under stochastic bandit feedback. *Journal of Machine Learning Research*, *24*, 1-45.

Jordan, M. I., Lin, T., & Zampetakis, E. (2023). First-order algorithms for nonlinear generalized Nash equilibrium problems. *Journal of Machine Learning Research*, *24*, 1-46.

Zhong, H., Yang, Z., Wang, Z., & Jordan, M. I. (2023). Can reinforcement learning find Stackelberg-Nash equilibria in general-sum Markov games with myopically rational followers? *Journal of Machine Learning Research*, *24*, 1-52.

Fannjiang, C., Bates, S., Angelopoulos, A., Listgarten, J., & Jordan, M. I. (2022). Conformal prediction under feedback covariate shift for biomolecular design. *Proceedings of the National Academy of Sciences*, https://doi.org/10.1073/pnas.2204569119.

Campbell, T., Syed, S., Yang, C.-Y., Jordan, M. I., & Broderick, T. (2023). Local exchangeability. *Bernoulli*, *29*, 2084-2100.

Jin, C., Yang, Z., Wang, Z., & Jordan, M. I. (2023). Provably efficient reinforcement learning with linear function approximation. *Mathematics of Operations Research*, https://doi.org/10.1287/moor.2

Angelopoulos, A., Bates, S., Zrnic, T., & Jordan, M. I. (2022). Private prediction sets. *Harvard Data Science Review*, https://doi.org/10.1162/99608f92.16c71dad.

Lopez, R., Li, B., Keren-Shaul, H., Boyeau, P., Kedmi, M., Pilzer, D., Jelinski, A., David, E., Wagner, A., Addad, Y., Jordan, M. I., Amit, I., & Yosef, N. (2023). DestVI identifies continuums of cell types in spatial transcriptomics data. *Nature Biotechnology*, *40*, 1360–1369.

Mühlebach, M., & Jordan, M. I. (2022). On constraints in first-order optimization: A view from non-smooth dynamical systems. *Journal of Machine Learning Research*, *23*, 1-47.

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