

Mehrdad Mohammadi

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| CONTACT | E-mail: mehrdad3@illinois.edu | linkedin.com/in/mehrdadmohammadi/ |
| EDUCATION | University of Illinois Urbana-Champaign, USA Ph.D. Statistics | 2020 –Current |
| | University of Illinois Urbana-Champaign, USA M.S. Mathematics | 2020 – 2023 |
| | University of Illinois Urbana-Champaign, USA M.S. Statistics | 2020 – 2023 |
| | Pennsylvania State University, USA M.A. Economics | 2018 –2020 |
| | University of Bologna, Italy M.S. Economics, LMEC | 2015 – 2018 |
| | Petroleum University of Technology, Iran B.S. Finance and Accounting | 2011 – 2015 |
| AWARDS AND HONORS | Illinois International Graduate Achievement Award | 2025 |
| | Social Justice Bridge Builder Graduate Award | 2025 |
| | University of Illinois Teachers Ranked as Excellent by Students | 2024 |
| | The Acoustical Society of America Conference, Poster Presentation Award | 2023 |
| | University of Illinois, Department of Statistics Leadership Award Winner | 2023 |
| | University of Illinois, Graduate College Doctoral Grant | 2021 |
| | University of Illinois, Ph.D. Fellowship | 2020-2025 |
| | University of Illinois, Block Grant Ph.D. Fellowship | 2020-2021 |
| | Pennsylvania State University Ph.D. Fellowship | 2018-2020 |
| | University of Bologna, Best Student University-Wide Award | 2017 |
| | University of Bologna Education Scholarship | 2015- 2017 |
| SERVICES AND ACTIVITIES | Advisor to the University of Illinois Chancellor on Middle East Affairs | |
| | Inaugural Director Hiring Committee Member, <i>SALAAM MENA Cultural Center at UIUC</i> | |
| | Founding Committee Member, <i>SALAAM MENA Cultural Center at UIUC</i> | |
| | Founder and President, <i>Statistics Doctoral Student Association at UIUC</i> | |
| | Treasurer and Director, <i>Iranian Music Heritage at UIUC</i> | |
| | Treasurer and Director , <i>Iranian Cultural Association at UIUC</i> | |
| | Basketball Referee, <i>Iran Basketball Federation</i> | |
| | Open Water Diver (CMAS certificate), <i>Italian Underwater Activities Federation</i> | |
| WORK EXPERIENCE | Data Scientist and Machine Learning Intern , Bayer AG | May 2023 - December 2023 |
| | Research Fellow Statistician , Bioacoustics Research Laboratory | May 2022-May 2023 |
| RESEARCH AREA | Statistical Reinforcement Learning, Statistical Learning, Statistical Decision Making, Applied Machine Learning, Econometrics | |
| FUNDING AND PUBLICATIONS | Google Scholar | |
| | Villegas-Downs, M., Mohammadi, M. , Han, A., O'Brien Jr, W. D., Simpson, D. G., Peters, T. A. ,Schlaeger,J.M. , and & McFarlin, B. L. "Trajectory of Postpartum Cervical Remodeling in Women Delivering Full-term and Spontaneous Preterm: Sensitivity to Quantitative Ultrasound Biomarkers", <i>Forthcoming in Ultrasound in Medicine & Biology,(2024)</i> | |
| | McFarlin, B. L., Villegas-Downs, M., Mohammadi, M. , Han, A., Simpson, D. G., & O'Brien Jr, W. D. (2023). "Enhanced identification of women at risk for preterm birth via quantitative ultrasound: a prospective cohort study." <i>American Journal of Obstetrics & Gynecology MFM</i> , 101250. | |
| | McFarlin, B. L., Liu, Y., Villegas-Downs, M., Mohammadi, M. , Simpson, D. G., Han, A., & O'Brien Jr, W. D. (2023). "Predicting Spontaneous Pre-term Birth Risk Is Improved When Quantitative Ultrasound Data Are Included With Historical Clinical Data." <i>Ultrasound in Medicine & Biology</i> , 49(5), 1145-1152. | |
| | <i>Funding: National Institutes of Health (NIH)</i> , Grant Number R01HD089935, QUS Technology for Identifying At-Risk Women for Spontaneous Preterm Birth | |

PI: MCFARLIN, BARBARA L ,O'BRIEN, WILLIAM D.

WORK IN **Off-policy Distributional Reinforcement Learning: A Hilbert Space Embedding Ap-**
PROGRESS **proach**, M. Mohammadi, Q. Zheng, and R.Zhu
 A Wasserstein-Equivalent Metric for the Space of Probability Distributions, M. Moham-
 madi

LANGUAGES Persian(Native), Kurdish (Native), English (Fluent), Italian (Elementary)

PROGRAMMING Python, R, SQL, \LaTeX , MS Office

LANGUGES

REFERENCES Available upon request.