

EMPLOYMENT	<ul style="list-style-type: none"> Assistant professor August 2020 - Present The Department of Accounting and Information Systems, Michigan State University
EDUCATION	<ul style="list-style-type: none"> Ph.D. in Information, Risk, Operations Management August 2020 the University of Texas at Austin, Austin, TX, U.S. Master of Science in Biostatistics (Ph.D. study) May 2015 the University of Minnesota, Minneapolis, MN, U.S. Bachelor of Science in Biology and Economics July 2012 Peking University, Beijing, China
RESEARCH INTEREST	<ul style="list-style-type: none"> Methodology: Statistics, machine learning, stochastic processes Application: Empirical analytics (causal inference) and modeling in information technology, operations management, marketing, and healthcare management
REFEREED PUBLICATIONS	<p>Quan Zhang, Yanxun Xu, Mei-Cheng Wang, and Mingyuan Zhou, “Weibull Racing Survival Analysis with Competing Events, Left Truncation, and Time-Varying Covariates.” <i>The Journal of Machine Learning Research</i> (2023): Vol.24(295) 1-43.</p> <p>Yuxin Zhang, Yalei Du, Yuanyuan Zhang, and Quan Zhang, “Moral Hazard and Transparency in Peer-to-Peer Auto Insurance with Telematics.” <i>International Conference on Information Systems 2023 Proceedings. 19</i> (2023).</p> <p>Tianci Liu, Tong Yang, Quan Zhang, and Qi Lei. ”Optimization for Amortized Inverse Problems.” <i>International Conference on Machine Learning</i> (2023). PMLR.</p> <p>Quan Zhang and Yixuan Liu, “Understanding Patient Journeys with Telehealth: A Poisson-Factor-Marked Hawkes Process.” <i>International Conference on Information Systems 2022 Proceedings. 21</i> (2022).</p> <p>Brian Pentland, Inkyu Kim, Quan Zhang, and Julie Ryan Wolf, “Effects of Concurrency in Complex Service Organizations: Evidence from Electronic Health Records.” <i>Business Process Management Forum: BPM Workshops</i> (2022).</p> <p>Tianci Liu, Quan Zhang, and Qi Lei, “PANOM: Automatic Hyper-parameter Tuning for Inverse Problems.” <i>NeurIPS 2021 Workshop on Deep Learning and Inverse Problems</i> (2021).</p> <p>Quan Zhang and Mingyuan Zhou, “Nonparametric Bayesian Lomax Delegate Racing for Survival Analysis with Competing Risks.” <i>Neural Information Processing Systems</i> (2018).</p> <p>Quan Zhang and Mingyuan Zhou, “Permuted and Augmented Stick-Breaking Bayesian Multinomial Regression.” <i>The Journal of Machine Learning Research</i> (2018): Vol. 18(204) 1-33.</p> <p>Quan Zhang, Youssef Toubouti and Bradley Carlin, “Design and analysis of Bayesian adaptive crossover trials for evaluating contact lens safety and efficacy.” <i>Statistical Methods in Medical Research</i> 26.3 (2017): 1216-1236.</p>
TEACHING	<p>ITM 885 <i>Machine Learning and Optimization</i> Fall, 2020-Present</p> <p>STT 805 <i>Statistical Modeling for Business Analytics</i> Summer, 2021-Present</p>