Quan Zhang

Department of Accounting and Information Systems (Updated January 2021)
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EDUCATION
- 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

EMPLOYMENT

Assistant professor, Department of Accounting and Informations Systems
Broad College of Business, Michigan State University   August 2020 – present

RESEARCH INTEREST

Methodology
- Statistics, machine learning, interpretable learning, Bayesian inference, nonparametric Bayes, variational inference

Application
- Telemedicine, quant marketing, online finance (particularly crowdfunding), medical data analysis, clinical trial

WORKING PAPERS

1. Quan Zhang and Mingyuan Zhou, "MCMC-Interactive Variational Inference."

2. Quan Zhang, Qiang Gao, Mingfeng Lin and Mingyuan Zhou, "Weibull Racing Survival Analysis for CompetingEvents and a Study of Loan Payoff and Default."

WORKING IN PROGRESS

1. "Product Returns Secretly Revealed: the Impact of Discounts in Online Retailing."

2. "Understanding Patients' Behavior Dynamics and Demands in Telemedicine."

REFEREED PUBLICATIONS

Quan Zhang and Mingyuan Zhou, "Nonparametric Bayesian Lomax Delegate Racing for Survival Analysis with Competing Risks." ***Advances in Neural Information Processing Systems*** (2018).

Quan Zhang and Mingyuan Zhou, "Permuted and Augmented Stick-Breaking Bayesian Multinomial Regression." ***Journal of Machine Learning Research*** (2018): Vol. 18(204) 1-33.

Quan Zhang, Youssef Toubouti and Bradley Carlin, "Design and analysis of Bayesian adaptive crossover trials for evaluating contact lens safety and efficacy." ***Statistical Methods in Medical Research*** 26.3 (2017): 1216-1236.

TEACHING

ITM 885 *Machine Learning and Optimization*, Michigan State University   Fall 2020

REFERENCES

Available upon request