Rui Gao

Contact Information	McCombs School of Business University of Texas at Austin	⊠: rui.gao@mccombs.utexas.edu 2 : +1 (512) 232-2495		
INFORMATION	2110 Speedway Stop B6500, Austin, TX 78712	https://faculty.mccombs.utexas.edu/rui.gao/		
Research Interest	My main research studies data-driven decision making under uncertainty and prescriptive data an- alytics. In particular, I develop robust, scalable and generalizable methodology for decision-making problems involving offline/online/observational data arising in the context of machine learning, risk management and revenue management.			
Academic Appointment	University of Texas at Austin, Austin, TX. July 2018 – Present McCombs School of Business, Department of Information, Risk and Operations Management Assistant Professor in Decision Science			
Education	Georgia Institute of Technology , Atlanta, OPh.D. in Operations Research	GA. 2013 – 2018		
	Xi'an Jiaotong University, Xi'an, China. B.S. in Mathematics and Applied Mathematics	2009 - 2013		
Professional Employment	SAS Institute Inc. , Raleigh-Durham, NC Revenue Management and Price Optimization S	NC 2016 ization Summer Fellow		
PUBLICATIONS	 Risk-based Distributionally Robust Optimal Power Flow with Dynamic Line Rating, 2019. IEEE Transactions on Power Systems 33(6), pp.6074-6086. (with Cheng Wang, Feng Qiu, Jianhui Wang, Linwei Xin) 			
	[2] Risk-based Distributionally Robust Optimal Gas-power Flow with Wasserstein Distance, 2018. <i>IEEE Transactions on Power Systems</i> , 34(3), pp.2190-2204. (with Wang Cheng, Wei Wei, Mi- adreza Shafie-khah, Tianshu Bi, João P. S. Catalão)			
	 [3] Reliable Off-policy Evaluation in Reinforcement Learning. Under review in Operations Research. (with Jie Wang and Hongyuan Zha) 			
	 [4] Wasserstein Distributionally Robust Optimization and Variation Regularization. Under review in <i>Operations Research</i>. (with Xi Chen and Anton Kleywegt) Winner in INFORMS Data Mining Best Paper Award 2017 Runner-up in INFORMS Computing Society Student Paper Competition 2017 			
	[5] Distributionally Robust Optimization with Dependence Structure. Under major revision for Mathematical Programming. (with Anton Kleywegt)			
	 [6] Distributionally Robust Stochastic Optimization with Wasserstein Distance. Under minor revision for <i>Mathematics of Operations Research</i>. (with Anton Kleywegt) Finalist in INFORMS George E. Nicholson Student Paper Competition 2016 			
	 [7] Mutual Calibration between Explicit and Implicit Generative Models. Under review in Inter- nation Conference on Learning Representations (ICLR) 2021. (with Qitian Wu and Hongyuan Zha) 			
	[8] Distributionally Robust k-Nearest Neighbors. Under review in International Conference on Artificial Intelligence and Statistics (AISTATS) 2021. (with Shixiang Zhu, Liyan Xie, Yao Xie)			

	[9] Enhancing Dimension Reduction via Extremely Robust Solutions, in preparat to Operations Research (with Long Zhao)	ion for submission		
	[10] Extreme yet Plausible: Choosing Scenarios to Stress Test Financial Institutio for submission to <i>Operations Research</i> (with Rohit Arora and Stathis Tompa	ns. In preparation idis)		
	 [11] Data-driven Robust Optimization with Known Marginal Distributions. In pr mission to Operations Research. (with Anton Kleywegt) Finalist in Computational Management Science Best Student Paper Award 	eparation for sub- l 2017		
Selected Award	 (Note: * indicates the award is received by a student collaborator) Runner-up in INFORMS Computing Society Student Paper Competition* 	2019		
	Winner in INFORMS Data Mining Best Paper Award	2017		
	• Runner-up in INFORMS Computing Society Student Paper Competition	2017		
	• Finalist in Computational Management Science Best Student Paper Award	2017		
	• Finalist in INFORMS George E. Nicholson Student Paper Competition	2016		
Teaching Experience	University of Texas at AustinSTA 371G Statistics and Modeling: Fall 2018, Fall 2019			
	Georgia Institute of TechnologyISyE 3770 Statistics and Applications: Summer 2017			
Professional Service	Referee for:			
	• Operations Research, Management Science, Manufacturing & Service Operations Management, Production and Operations Management			
	• Mathematical Programming, INFORMS/SIAM Journal on Optimization, SIAM Journal on Control and Optimization, European Journal of Operational Research, Journal of Optimization Theory and Applications, Computers & Operations Research			
	• Biometrika, Journal of / Advances in Applied Probability, SIAM Journal on Mathematics of Data Science, Machine Learning, Mathematical Finance			
	• IEEE Transactions on Automatic Control, IEEE Transactions on Power Systems, IISE Transactions, Transportation Research Part E			
	• NeurIPS, ICML, ICLR			
	Conference organization:Session chair: ICCOPT 2019, INFORMS Annual Meeting 2018, 2020			
	Committee Service:			
	• Departmental Faculty Search Committee	2019		
	• Committee for Undergraduate Business Analytics Course	2019		
	• Departmental Decision Science Seminar Organizer	2019, 2020		

INVITED SEMINARS	• IBM Thomas J. Watson Research Center, Yorktown Heights	10/2019
	• Chinese University of Hong Kong at Shenzhen, IDDA	08/2019
	• Alibaba Group, Seattle	04/2019
	• University of Minnesota, IMA	04/2019
	• UT Austin, ORIE	10/2018
	• University of Pittsburgh, IE	02/2018
	• University of Illinois at Chicago, Business School	02/2018
	• UT Austin, McCombs School of Business	01/2018
	• NUS Business School	01/2018
	• Chinese University of Hong Kong, SE&EM	01/2018
	• Chinese University of Hong Kong at Shenzhen, SSE	01/2018
	• City University of Hong Kong, Business School	01/2018
	• Hong Kong University of Science and Technology, IEDA	01/2018
	• University of Toronto, MIE	01/2018
	• MIT Sloan School of Management	01/2018
	• University of Illinois at Urbana Champaign, ISE	12/2017
	• HEC Montréal	12/2017
	• Miami Business School	12/2017
	• NC State, ISE	11/2017
	• Shenzhen Research Institute of Big Data	03/2017
	• University of Illinois at Urbana Champaign, ISE	03/2017
	• Cornell ORIE, 3rd Young Researchers Workshop	10/2016
	• Georgia Tech ISyE, DOS seminar	10/2016
	• Georgia Tech, ACO seminar	03/2016
Conference	• INFORMS Annual Meeting, Seattle	10/2019
Presentations	• ICCOPT 2019, Berlin	08/2019
	• Mostly OM, Shenzhen, China	06/2019
	• INFORMS Annual Meeting, Phoenix	11/2018
	• INFORMS Annual Meeting, Houston	10/2017
	• MOPTA Conference, Lehigh	08/2017
	• INFORMS Applied Probability Society Conference, Chicago	07/2017
	• Conference on Computational Management Science, Italy	05/2017
	• INFORMS Annual Meeting, Nashville	11/2016
	• XIV International Conference on Stochastic Programming, Brazil	07/2016