

Runshan Fu

runshan@cmu.edu
(+1) 412-652-8102
<https://runshanfu.com>

EDUCATION	Carnegie Mellon University, Pittsburgh, USA Ph.D., Marketing / Information Systems and Management	2015 – present
	Shanghai University of Finance and Economics, Shanghai, China Bachelor of Management, Information Management and Information Systems	2011 – 2015
	University College London, London, UK Visiting Student, Management Science and Innovation	2013 – 2014
RESEARCH INTEREST	<i>Topics:</i> Algorithmic Bias, Economics of AI, Fair Machine Learning, Fintech <i>Methodologies:</i> Structural Modeling, Analytical Modeling, Machine Learning	
PUBLICATION	<ul style="list-style-type: none">• AI and Algorithmic Bias: Source, Detection, Mitigation and Implications Runshan Fu, Yan Huang, Param Vir Singh INFORMS Tutorials in Operations Research, forthcoming.	
WORKING PAPERS	<ul style="list-style-type: none">• Crowds, Lending, Machine, and Bias Runshan Fu, Yan Huang, Param Vir Singh Conditionally accepted at Information Systems Research Available at https://ssrn.com/abstract=3206027• “Un”Fair Machine Learning Algorithms Runshan Fu, Manmohan Aseri, Param Vir Singh, Kannan Srinivasan Under 2nd-round review at Management Science Available at https://ssrn.com/abstract=3408275	
WORK IN PROGRESS	<ul style="list-style-type: none">• When Algorithms Promote Inequality: A Structural Analysis of the Impact of Zillow’s Zestimate on Housing Market Runshan Fu, Yan Huang, Param Vir Singh, Kannan Srinivasan	
CONFERENCE PRESENTATIONS	“Un”Fair Machine Learning Algorithms <ul style="list-style-type: none">• INFORMS Annual Meeting 2019• INFORMS Marketing Science Conference 2019 Crowd Bias and Machine Learning: Evidence from Crowd Lending <ul style="list-style-type: none">• INFORMS Marketing Science Conference 2019• Workshop on Information Systems and Economics 2018• INFORMS Annual Meeting 2018 When Algorithms Promote Inequality <ul style="list-style-type: none">• CMU Symposium on AI and Social Good 2020• INFORMS Marketing Science Conference 2020	

TEACHING	Teaching Assistant	
	• Decision Analytics for Business and Policy (by Peter Zhang)	Spring 2020
	• Digital Transformation (by Michael Smith)	Fall 2019
	• Machine Learning for Problem Solving (by Leman Akoglu)	Spring 2017, 2018
	• Business Intelligence & Data Mining (by Beibei Li)	Spring & Fall 2018
	• Unstructured Data Analytics for Policy (by George Chen)	Spring 2018
	• Unstructured Data Analytics (by George Chen)	Fall 2017
	• Economic Analysis (by Karen Clay)	Fall 2017
	• Economic Analysis (by Alessandro Acquisti)	Fall 2017
• Statistical Theory for Social and Policy Sciences (by Amelia Haviland)	Fall 2016	

SELECTED COURSEWORK	Economics & Social Sciences	
	• Behavioral Economics (by George Loewenstein)	Fall 2017
	• Economining (by Dokyun Lee)	Fall 2017
	• Estimating Dynamic and Structured Models (by Param Vir Singh)	Spring 2017
	• Econometric Thoery and Methods II (by Matthew D. Baird)	Fall 2016
	• Introduction to Econometric Theory (by Edson Severnini)	Spring 2016
	• Research Methods in Behavioral Sciences (by Taya Cohen)	Spring 2016
	• Microeconomics (by Brian Kovak)	Fall 2015

Statistics & Machine Learning

• Introduction to Machine Learning (by Roni Rosenfeld)	Spring 2016
• Hidden Markov Models (by Jordan Rodu)	Spring 2016
• Unstructured and Big Data (by Dokyun Lee)	Spring 2016
• Intermediate Statistics (by Larry Wasserman)	Fall 2016
• Statistical Theory for Social and Policy Sciences (by Amelia Haviland)	Fall 2015

SERVICE	Ad-hoc reviewer for: Mangement Science, Information Systems Research, Conference on Information Systems and Technology (CIST), International Conference in Information Systems (ICIS).
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SKILLS	Python, Ruby, Matlab, SQL, MongoDB
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REFERENCES	Kannan Srinivasan (co-chair)
	H.J. Heinz II Professor of Management, Marketing and Business Technologies
	Tepper School of Business
	Carnegie Mellon University kannans@cmu.edu

Param Vir Singh (co-chair)
Professor of Business Technologies and Marketing
Tepper School of Business
Carnegie Mellon University psidhu@cmu.edu

Yan Huang
Assistant Professor of Business Technologies
Tepper School of Business
Carnegie Mellon University yanhuang@cmu.edu