Runshan Fu

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

EDUCATION Carnegie Mellon University, Pittsburgh, USA

2015-2022(expected)

Ph.D., Information Systems and Management

Shanghai University of Finance and Economics, Shanghai, China

2011-2015

Bachelor of Management, Information Management and Information Systems

University College London, London, UK

2013-2014

Visiting Student, Management Science and Innovation

RESEARCH INTEREST Topics: Quantitative Marketing, Algorithmic Bias, Economics of AI, Fairness of ML, Crowd Lending

Methodologies: Structural Modeling, Analytical Modeling, Machine Learning

PUBLICATION

• "Un"Fair Machine Learning Algorithms [SSRN]

Runshan Fu, Manmohan Aseri, Param Vir Singh, Kannan Srinivasan

Management Science, forthcoming

· Crowds, Lending, Machine, and Bias [SSRN]

Runshan Fu, Yan Huang, Param Vir Singh

Information Systems Research, 2021

• AI and Algorithmic Bias: Source, Detection, Mitigation and Implications [SSRN]

Runshan Fu, Yan Huang, Param Vir Singh

INFORMS Tutorials in Operations Research, 2020

WORKING PAPERS

• How Does Zestimate Affect Housing Market Outcomes Across Socio-economic Segments?

with Yan Huang, Nitin Mehta, Param Vir Singh and Kannan Srinivasan

• Model Mis-specification and Algorithmic Bias [arXiv]

with Yangfan Liang and Peter Zhang

• Human-Algorithm Interactions: Evidence from Zillow.com [NBER Working Paper]

with Meng Liu and Ginger Jin

Conference

"Un"Fair Machine Learning Algorithms

PRESENTATIONS

- INFORMS Marketing Science Conference 2019
- INFORMS Annual Meeting 2019
- Thirteenth Annual FTC Microeconomics Conference 2020

Crowd Bias and Machine Learning: Evidence from Crowd Lending

- Workshop on Information Systems and Economics 2018
- INFORMS Annual Meeting 2018
- INFORMS Marketing Science Conference 2019

When Algorithms Promote Inequality

- INFORMS Marketing Science Conference 2020
- CMU Symposium on AI and Social Good 2020

SERVICE Ad-hoc reviewer for: Mangement Science, Information Systems Research, Production and Operations

Management, Conference on Information Systems and Technology (CIST), International Conference in

Information Systems (ICIS).

REFERENCES Kannan Srinivasan

H.J. Heinz II Professor of Management, Marketing and Business Technologies

Tepper School of Business

Carnegie Mellon University

kannans@cmu.edu

Param Vir Singh

Carnegie Bosch Professor of Business Technologies and Marketing Tepper School of Business Carnegie Mellon University psidhu@cmu.edu

Yan Huang

Associate Professor of Business Technologies Tepper School of Business Carnegie Mellon University yanhuang@cmu.edu

Nitin Mehta

Professor of Marketing Rotman School of Management University of Toronto nitin.mehta@rotman.utoronto.ca