Runshan Fu

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

Education

Carnegie Mellon University, Pittsburgh, USA **2015 – present**
Ph.D., Marketing / 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: Algorithmic Bias, Economics of AI, Fair Machine Learning, Fintech
Methodologies: Structural Modeling, Analytical Modeling, Machine Learning

Working Papers

- ***Crowd, Lending, Machine, and Bias***
  Runshan Fu, Yan Huang, Param Vir Singh
  Under 3rd-round review 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
  Major Revision at **Management Science**
  Available at `https://ssrn.com/abstract=3408275`

Work in Progress

- ***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
- INFORMS Annual Meeting 2019
- INFORMS Marketing Science Conference 2019

Crowd Bias and Machine Learning: Evidence from Crowd Lending
- INFORMS Marketing Science Conference 2019
- Workshop on Information Systems and Economics 2018
- INFORMS Annual Meeting 2018

When Algorithms Promote Inequality
- 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).

Skills

Python, Ruby, Matlab, SQL, MongoDB

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