Runshan Fu

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Education

Carnegie Mellon University, PA, USA — **2015 – present**
Ph.D., Information Systems and Management

Shanghai University of Finance and Economics, Shanghai, China — **2011 – 2015**
Bachelor of Management, Information Management and Information System

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 Leaning

Working Paper

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

Work in Progress

- *Does Machine Learning Algorithm Lead to Adverse Selection in Housing Market?*
  Runshan Fu, Yan Huang, Param Vir Singh, Kannan Srinivasan

Conference Presentation

INFORMS Annual Meeting 2019 (scheduled)
- *'Un"Fair Machine Learning Algorithms*

INFORMS Marketing Science Conference 2019
- *Crowd Bias and Machine Learning: Evidence from Crowd Lending*
- *"Un"Fair Machine Learning Algorithms*

Workshop on Information Systems and Economics 2018
- *Crowd Bias and Machine Learning: Evidence from Crowd Lending*

INFORMS Annual Meeting 2018
- *Crowd Bias and Machine Learning: Evidence from Crowd Lending*

Teaching

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