

Kai Zhu

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ACADEMIC POSITIONS

2021 - now Assistant Professor, McGill University

EDUCATION

- 2021 Ph.D. in Information Systems, Boston University
- 2015 M.A. in Economics, Indiana University
- 2013 B.A. in Economics, Peking University
- 2011 B.S. in Computer Science, Beijing Language and Culture University

EXPERIENCE

- 2019 - 2020 Academic Consultant, Alibaba Group
 - Design and conduct field experiments to test policies of intellectual property for a massive scale online marketplace
- 2011 - 2013 Research Associate, Language and Artificial Intelligence Lab - BLCU
 - Work on symbolic approach to Artificial Intelligence

SKILLS

Methodology:

Causal Inference, Machine Learning, Deep Learning, Natural Language Processing

Programming:

Python, R, C/C++

Other Tools:

Cluster Computing, Hadoop, MySQL, Stata, BigQuery

RESEARCH

PUBLICATIONS

Kai Zhu, Dylan Walker, and Lev Muchnik (2020) "Content Growth and Attention Contagion in Information Networks: Addressing Information Poverty on Wikipedia," *Information Systems Research*, 31(2): 491-509.

- Winner of Wikimedia Foundation Research Award of the Year 2021

WORKING PAPER

Is It Time for a Platform Magna Carta?

- with Dylan Walker and Marshall Van Alstyne
- Under Review at *Proceedings of the National Academy of Sciences*

If a Tree Falls in the Forest: COVID-19, Media Choices, and Presidential Agenda Setting

- with Masha Krupenkin, Dylan Walker, David Rothschild
- Revise & Resubmit at *Journal of Quantitative Description: Digital Media*

Any Feedback is Welcome: Peer Feedback and User Behavior on Digital Platforms

- with Warut Khern-Am-Nual and Yinan Yu
- Nominated for Best Emergent Research Forum Paper at AMCIS 2021

Platform Monetization and Unintended Consequences on the Ecosystem: Evidence from a Two-sided Market for Books

- with Qiaoni Shi and Shrabastee Banerjee

How Media Ownership Impacts Information Skews: A Study of Televised News Using Massive-Scale Text Transcripts

- with Dylan Walker

Does Machine Translation Improve Knowledge Equity? Evidence from Google Translate

WORK IN PROGRESS

Measuring Diversity and Novelty on Digital Platforms: A Neural Embedding Approach

Community-driven Approach for Fighting Misinformation: Evidence from Twitter and Reddit

Technologies and Collective Attention for Social Justice Issues: Interplay between Social Media and Mass Media during Black Lives Matters Movements

Early Publications on Symbolic Approach to Artificial Intelligence

Attribute Reduction Approaches for General Relation Decision Systems (2015), Guilong Liu, Ling Li, Jitao Yang, Yanbin Feng, Kai Zhu, *Pattern Recognition Letters* 65, 81-87

The Relationship among Three Types of Rough Approximation Pairs (2014), Guilong Liu, Kai Zhu, *Knowledge-Based Systems* 60, 28-34

PRESENTATION

Content Growth and Attention Contagion in Information Networks: Addressing Information Poverty on Wikipedia

- World Wide Web Conference 2017
- Conference on Digital Experimentation 2017
- Workshop of Information System and Economics 2017
- Statistical Challenge of e-Commerce Research 2018
- Harvard Business School 2018
- Workshop on Experimental and Behavioral Economics in Information Systems 2019
- WikiWorkshop 2020
- Microsoft Research NYC 2020
- McGill University 2020
- Wikimedia Research Showcase 2021

How Media Ownership Impacts Information Skews: A Study of Televised News Using Massive-Scale Text Transcripts

- Politics and Computational Social Science 2018
- Statistical Challenge of e-Commerce Research 2019
- Workshop on Information Systems and Economics 2019
- Boston University 2020
- Microsoft Research NYC 2020

If a Tree Falls in the Forest: COVID-19, Media Choices, and Presidential Agenda Setting

- International AAAI Conference on Web and Social Media 2020
- Politics and Computational Social Science (PaCSS) Conference 2020
- Boston University - Institute for Health System Innovation and Policy 2020

Any Feedback is Welcome: Peer Feedback and User Behavior on Digital Platforms

- American Conference on Information Systems 2021
- Statistical Challenge of e-Commerce Research 2021
- Conference for Information Systems and Technologies 2021

Platform Monetization and Unintended Consequences on the Ecosystem: Evidence from a Two-sided Market for Books

- Conference of Digital on Experimentation 2021

TEACHING

Data Mining for Business Analytics

- *Spring 2021, Spring 2022*

Neural Network and Deep Learning

- *Spring 2022*

SERVICE

Reviewer

- Management Science
- MIS Quarterly
- Information Systems Research