Zisu Wang

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Education

Eller College of Management, University of Arizona *Tucson, AZ*
- Ph.D. in *Management Information Systems* *Aug. 2018 - Present*
- Minor in *Statistics and Data Science* *Aug. 2022 - Present*

University of Science and Technology of China *Hefei, China*
- B.Sc. in *Statistics* *Sept. 2014 - June 2018*
- Minor in *Business Administration* *Feb. 2017 - June 2018*

Research Interests

Methods Machine Learning, Deep Learning, Bayesian Statistics, Causal Inference, Network Science
Domains Business Analytics, Digital Marketing, Open Source Software

Publication

Modeling Behavioral Dynamics in Digital Content Consumption: An Attention-Based Neural Point Process Approach with Applications in Video Games (with Junming Yin, Katherine Feng, and Yong Liu), *forthcoming* at *Marketing Science*

Research in Progress

Digital Technologies, Decision Making, and Social Justice: How Lie Detectors Affect Fair Treatment in Criminal Investigations (with Xinran Wang, Mateusz Dolata, and Jay F. Nunamaker). Progress: under the first round review at *MIS Quarterly*

Fix the Issue! A Contextual Bandit Approach to Triaging Community Feedback for Open-Source Software (with Yong Ge). Progress: finished data collection and method development; currently analyzing results

Conference Proceedings

2022 INFORMS Annual Meeting, Indianapolis, IN	*Oct. 2022*
Workshop on Information Technologies and Systems, Austin, TX	*Dec. 2021*
KDD Workshop on Machine Learning for Consumers and Markets, Singapore	*Aug. 2021*
Winter Conference on Business Analytics, Snowbird, UT *(cancelled due to COVID-19)*	*Mar. 2020*
Conference on Artificial Intelligence and Machine Learning, Philadelphia, PA	*Dec. 2019*
INFORMS Workshop on Data Science, Seattle, WA	*Oct. 2019*
Conference on Information Systems and Technology, Seattle, WA	*Oct. 2019*
The 13th China Summer Workshop on Information Management, Shenzhen, China	*June 2019*

Teaching Experiences

Instructor, University of Arizona *Fall 2022*
- **MIS 584: Big Data Technologies** (Graduate Core)
  * Fall 2022 (In-Progress; Class Size: 54)

Teaching Associate, University of Arizona *Fall 2019 - Spring 2022*
- **MIS 301: Data Structures and Algorithms** (Undergraduate Core)
  * Spring 2022 (Class Size: 94)
  * Fall 2021 (Class Size: 112)
  * Spring 2021 (Class Size: 99)
  * Fall 2020 (Class Size: 106)
  * Fall 2019 (Class Size: 102)
- **MIS 503: Programming Concepts for Business** (Graduate Elective)
  * Spring 2021 (Class Size: 24)
- **MIS 513: Business Foundations for IT** (Graduate Core)
  * Spring 2020 (Class Size: 83)
- **MIS 586: Big Data Analytics** (Graduate Elective)
  * Spring 2020 (Class Size: 30)

Teaching Interests

Quantitative Methods Machine Learning, Data Mining, Deep Learning, Business Statistics
Information Systems Business Analytics, Business Programming, Data Management

Academic Services

Reviewer
- Conference on Information Systems and Technology *2022 - Present*
- Transactions on Management Information Systems *2021 - Present*
- Frontiers in Big Data *2021 - Present*
- Workshop on Information Technologies and Systems *2021 - Present*
- INFORMS Workshop on Data Science *2021 - Present*
- GPSC Grant Application, University of Arizona *2019 - 2021*

Volunteer
- The 2018 INFORMS Annual Meeting, Phoenix, AZ *Oct. 2018*
- The 10th China R Conferece, Hefei, China *June 2017*

Honors and Awards

Data Science Ambassador, University of Arizona *2022 - Present*
Department Travel Funding, University of Arizona *2019 - Present*
GPSC Travel Grant, University of Arizona *2019*
Outstanding Student Scholarship, USTC *2015 - 2017*
Outstanding Freshman Scholarship, USTC *2014*

Graduate Coursework

Statistics	Theory of Probability, Theory of Statistics, Regression Analysis, Bayesian Analysis, Statistical Computing, Design of Experiments, Statistical NLP
Computer Science	Pattern Recognition, Statistical Machine Learning, Machine Learning Theory
Economics	Microeconomic Theory, Matching & General Equilibrium, Econometrics I, Econometrics II, Program Evaluations
Information Systems	Enterprise Data Management, Design Science Research Methodologies, Readings in MIS, Topics in Data and Web Mining, Topics in Research Methodologies in MIS, Network Science, Economics of Information Systems

Technical Skills

Programming	Python, R, Java, JavaScript, C, Matlab, SQL, SAS, Mathematica
Platform	Amazon Web Services, Google Cloud Platform, Snowflake, Databricks
Software & Tools	NumPy, pandas, SciPy, scikit-learn, PyTorch, Spark, MongoDB, Docker, Tableau