SHAOBO LI

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ACADEMIC APPOINTMENT

- **Assistant professor**, University of Kansas   August 2018 – Present

EDUCATION

- **Ph.D in Business Administration**, University of Cincinnati   June 2018
  (Areas of study: Statistics, Business Analytics, Machine Learning.)
- **M.S. in Statistics**, University of Cincinnati   April 2013
- **B.S. in Mathematics**, Shandong University, China   June 2011

RESEARCH INTERESTS

Statistical Methodology

- High-dimensional robust statistics, nonparametric regression, ordinal data analysis.

Application

- Data privacy, Marketing, Finance.

AWARDS & HONOURS

- New Faculty General Research Fund, University of Kansas   2020
- Comer-Reynolds Memorial Award, ASA Cincinnati Chapter   2018
- Dean's List of Teaching Excellence, University of Cincinnati   2018, 2017
- Nominee for Excellence in Teaching Award, University of Cincinnati   2017
- JSM Student Travel Award, American Statistical Association   2017
- Lindner Outstanding Graduate Research Award, University of Cincinnati   2017
- Graduate Student Summer Research Fellowship, University of Cincinnati   2016
- Outstanding Masters Student Award, University of Cincinnati   2013
- Honorable Mention, International Mathematical Contest of Modeling   2010
- First Class Award, Shandong University Mathematical Contest of Modeling   2009

RESEARCH

Publications

- **Li, S.**, Schneider, M. J., Yu, Y., and Gupta, S. (2022). "Re-identification Risk in Panel Data: Protecting for k-Anonymization." *Information Systems Research*, forthcoming.

- **Li, S.**, Tian, S., Yu, Y., Zhu, X., and Lian, H. (2022). "Corporate Default Probability: A Discrete Single-Index Hazard Model Approach." *Journal of Business & Economic Statistics*, forthcoming.

- Sherwood, B. and **Li, S.** (2022). "Quantile regression feature selection and estimation with grouped variables using Huber approximation." *Statistics and Computing*, 32(5), 1-16. [paper]

- **Li, S.**, Zhu, X., Chen, Y., and Liu, D. (2021). "PAsso: an R package for Assessing Partial Association between Ordinal Variables," *The R Journal*, 13(2), 239-252. [paper]

- Liu, D., **Li, S.**, Yu, Y., and Moustaki, I. (2021). "Assessing Partial Association between Ordinal Variables: Quantification, Visualization, and Hypothesis Testing", *Journal of the American Statistical Association*, 116(534), 955-968. [paper] [R package].

- Schneider, M. J., Jagpal, S., Gupta, S., **Li, S.**, and Yu, Y. (2018). "A Flexible Method for Protecting Marketing Data: An Application to Point-of-Sale Data", *Marketing Science*, 37(1), 153-171. [paper].

- Schneider, M. J., Jagpal, S., Gupta, S., **Li, S.**, and Yu, Y. (2017). "Protecting Customer Data: Marketing with Second-Party Data", *International Journal of Research in Marketing*, 34(3), 593-603. [paper]

Working Papers

- **Li, S.**, Fan, Z., Liu, D., Liu, I., and Morrison, P. "Assessing Partial Associations between Mixed Data: An Application to Student Wellbeing Analysis."

- Qin, Y., **Li, S.**, Li, Y., and Yu, Y. "Penalized Maximum Tangent Likelihood Estimation and Robust Variable Selection." [arXiv]

- **Li, S.**, Tian, S., and Yu, Y. "Predicting Corporate Bankruptcy: A Penalized Semiparametric Index Hazard Model."

R Packages

- hrqglas: Group variable selection for quantile and robust mean regression.

- PAsso: Partial association for ordinal variables.

- MTE: Maximum tangent-likelihood estimator for robust high-dimensional linear regression.

ACADEMIC TALKS

- **Invited**, SIAM Central States Section 2021 annual meeting. Online.   Sep. 2021

- **Invited**, Baruch College, The City University of New York. Online.   Sep. 2020

- **CBAR Seminar**, University of Kansas, School of Business, Lawrence, KS.   Nov. 2019

- **Invited**, INFORMS Annual Meeting, Seattle, WA.   Oct. 2019

- The Joint Statistical Meetings (JSM), Denver, CO.   Aug. 2019
- **Invited**, ICSA 2019 Applied Statistics Symposium, Raleigh, NC.   Jun. 2019
- **Seminar**, Shandong University, School of Mathematics and Statistics, Weihai, China. Jul. 2018
- **Invited**, The 2nd International Conference on Econometrics and Statistics
  (EcoSta 2018), City University of Hong Kong, Hong Kong.   Jun. 2018
- **Seminar**, University of Kansas, School of Business, Lawrence, KS.   Dec. 2017
- **Seminar**, University of Dayton, School of Business Administration, Dayton, OH.   Dec. 2017
- **Seminar**, University of Washington, Foster School of Business, Seattle, WA.   Nov. 2017
- **Seminar**, University of Science and Technology of China (USTC), School of
  Management, Hefei, China.   Nov. 2017
- **Seminar**, University of Cincinnati, Lindner College of Business, Cincinnati, OH.   Nov. 2017
- Annual Meeting of the Decision Science Institute (DSI), Washington D.C.   Nov. 2017
- INFORMS Workshop on Data Science, Houston, TX. (peer reviewed)   Oct. 2017
- INFORMS Annual Meeting, Houston, TX.   Oct. 2017
- The Joint Statistical Meetings (JSM), Baltimore, MD.   Aug. 2017
- The Joint Statistical Meetings (JSM), Chicago, IL.   Aug. 2016
- **Seminar**, University of Cincinnati, Department of Mathematical Science.   Sep. 2015
- The Joint Statistical Meetings (JSM), Seattle, WA.   Aug. 2015
- INFORMS Annual Meeting, San Francisco, CA.   Nov. 2014
- The Joint Statistical Meetings (JSM), Boston, MA.   Aug. 2014

TEACHING

University of Kansas

- BSAN 750 - Machine Learning I (Graduate)
  - Fall 2022, Fall 2021, Fall 2020

- BSAN 440 - Foundations in Business Analytics
  - Fall 2022, Fall 2021, Fall 2020, Spring 2020, Fall 2019, Spring 2019, Fall 2018

- BSAN 400 - Introduction to Machine Learning with R
  - Fall 2021, Spring 2020, Spring 2019

University of Cincinnati

- BANA 7046 - Data Mining I (Graduate)
  - Spring 2018

- BANA 4080 - Data Mining and Analysis (Undergraduate)
  - Spring 2018, Fall 2017, Spring 2017, Spring 2016

- BANA 2082 - Business Analytics II (Undergraduate)
  - Fall 2015, Fall 2014

INDUSTRY EXPERIENCE

- Axcess Financial, Cincinnati, OH   10/2012 – 07/2013
  – Statistical analyst, online marketing

- China Investment Corporation (CIC), Beijing, China   Summer 2012
  – Research assistant, risk management

SERVICES

- Referee for journal and conference papers
  – Journals: *JASA, Statistica Sinica, Statistics and Computing, Managerial Finance*
  – Conferences: ICIS, INFORMS Workshop on Data Science, INFORMS Data Mining Best Paper Competition.

- Referee for fellowship
  – Marsden Fund (Royal Society of New Zealand)

- PhD student committee member
  – Corban Allenbrand (on-going), University of Kansas
  – Amin Abbasi-Pooya (on-going), University of Kansas

- Reader for Master Student Thesis/Capstone
  – Adrian Valles Inarrea, MS in Business Analytics, University of Cincinnati,   2018

- BearStats Student Statistics Club, ASA Student Chapter at University of Cincinnati
  – President   04/2016 – 06/2018
  – Treasure   08/2015 – 04/2016

- Graduate Student Association (College of Business), University of Cincinnati
  – President   08/2015 – 08/2016
  – Treasure   08/2014 – 08/2015

PROFESSIONAL MEMBERSHIP

- The American Statistical Association (ASA)
- The Institute of Mathematical Statistics (IMS)
- The Institute for Operations Research and the Management Sciences (INFORMS)