Shuangjie Zhang

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EDUCATION

University of California Santa Cruz, Santa Cruz, CA   2019-2024(expected)
Ph.D. in Statistical Science
Advisor: Professor Juhee Lee

Duke University, Durham, NC   2017 – 2019
Master of Statistical Science
Advisor: Professor Surya T. Tokdar

Southwestern University of Finance and Economics, Chengdu, China   2013 – 2017
Bachelor of Science, Statistics

PREPRINTS

- **Zhang, S.**, Lee, J. Covariate Dependent Factor Model for Feature Interactions in Microbiome Study (In progress)
- Zheng, H. , **Zhang, S.**, Sen R., Tokdar S. Bayesian Density Regression with Discontinuity (Submitting to Journal of Business & Economic Statistics)
- **Zhang, S.**, Shen Y., Chen I. and Lee, J. (2023+) Sparse Bayesian Group Factor Model for Feature Interactions in Multiple Count Tables Data (Under revision of Journal of the American Statistical Association)

PUBLICATIONS

- **Zhang, S**., Shen Y., Chen I. and Lee, J. (2023) Bayesian Modeling of Interaction between Features in Sparse Multivariate Count Data with Application to Microbiome Study (*The Annals of Applied Statistics* 17.3 (2023): 1861-1883)

PRESENTATIONS

- Joint Statistical Meetings, Toronto, Canada, 2023
- Objective Bayes, Santa Cruz, CA, 2022

SOFTWARE

- **Sp-BGFM**: R package (in preparation) for Sparse Bayesian Group Factor Model for Feature Interactions in Multiple Count Tables Data. https://github.com/Zsj950708/SP-BGFM
- **Zi-MLN**: R code for Bayesian Modeling of Interaction between Features in Sparse Multivariate Count Data with Application to Microbiome Study. https://github.com/Zsj950708/ZI-MLN

FELLOWSHIP & AWARD

- SFASA JSM Student Travel Award, San Francisco Bay Area Chapter of the American Statistical Association, 2023
- UCSC Dean's Travel Award, University of California Santa Cruz, 2023
- Department Summer Fellowship, University of California Santa Cruz, 2022
- UCSC Regent Fellowship, University of California Santa Cruz, 2020
- National Student Scholarship, Southwestern University of Finance and Economics, 2015

TEACHING EXPERIENCE
Graduate Teaching Assistant:
- STAT 132 Classical and Bayesian Inference – UCSC – Winter 2023

- STAT 131 Introduction to Probability Theory – UCSC – Summer 2022-02, Spring 2023
- STAT 5 Statistics – UCSC – Fall 2019, Winter 2020, Summer 2020-01, Fall 2021, Spring 2022,Summer 2022-01
- STA 601 Bayesian Methods and Modern Statistics – Duke University – Fall 2018

Graduate Student Researcher
- Fall 2020, Winter 2021, Spring 2021, Summer 2021, Winter 2022

COMPUTER SKILLS
- R, Rc++, Python, Latex

CONTRIBUTIONS TO SCIENTIFIC COMMUNITY
- Invited-reviewer for article submitted to *Computational Statistics & Data Analysis*. 2022
- Professional membership for International Society for Bayesian Analysis (ISBA) and American Statistical Association (ASA)

REFERENCES
- **Juhee Lee**: Professor
  Department of Statistics
  University of California Santa Cruz
  1156, High Street, Santa Cruz, CA, 95064
  juheelee@soe.ucsc.edu

- **Surya T. Tokdar**: Professor
  Department of Statistics
  Duke University
  214 Old Chemistry, Box 90251, Durham, NC 27708
  tokdar@stat.duke.edu