Shuangjie **Zhang**

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EDUCATION

University of California Santa Cruz, Santa Cruz, CA   2019-2024(expected)
PhD 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

PAPERS

- Zheng, H., Zhang, S.*, Tokdar S. Bayesian Density Regression with Discontinuity (In progress)
    - To be presented at JSM 2023
- Zhang, S.*, Shen Y., Chen I. and Lee, J. Bayesian phylogenetic tree informed Factor Model for Count Tables Data (In progress)
- Zhang, S.*, Shen Y., Chen I. and Lee, J. (2023+) Sparse Bayesian Group Factor Model for Feature Interactions in Multiple Count Tables Data (submitted)
    - To be presented at JSM 2023
- Zhang, S.*, Shen Y., Chen I. and Lee, J. (2023+) Bayesian Sparse Multivariate Regression with Asymmetric Nonlocal Priors for Microbiome Data Analysis (To appear in *The Annals of Applied Statistics: https://www.e-publications.org/ims/submission/AOAS/user/submissionFile/53807?confirm=b0ebfd8f*)
    - Presented at O' Bayes 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 Sparse Multivariate Regression with Asymmetric Nonlocal Priors for Microbiome Data Analysis. https://github.com/Zsj950708/ZI-MLN

SERVICE

- Peer-Reviewer for article submitted to *Computational Statistics & Data Analysis*. 2022

AWARD & FELLOWSHIP

- SFASA JSM Student Travel Award. 2023
- UCSC Dean's Travel Award. 2023
- Department Summer Fellowship. 2022
- UCSC Regent Fellowship. 2020
- National Student Scholarship. 2015

TEACHING EXPERIENCE

Graduate Teaching Assistant:
- STA601 Bayesian Methods and Modern Statistics – Duke University – Fall 2018

- STAT 5 Statistics – UCSC – Fall 2019, Winter 2020, Summer 2020-01, Fall 2021, Spring 2022,Summer 2022-01
- STAT 131 Introduction to Probability Theory – UCSC – Summer 2022-02, Spring 2023
- STAT 132 Classical and Bayesian Inference – UCSC – Winter 2023

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