# SHENG JIANG

Contact: sjiang45@ucsc.edu, 919-638-8047 (U.S.)
Links: Google Scholar, personal website

## CURRENT EMPLOYMENT

**Department of Statistics, University of California Santa Cruz**   *January 2022 – June 2024 (expected)*
Visiting Assistant Professor

## PAST EMPLOYMENT

**Department of Statistical Science, Duke University**   *September – December 2021*
Postdoctoral Associate
   • Advised by Surya Tokdar, and Alex Volfovsky

## EDUCATION

**Duke University**
   Ph.D. in Statistics   *Aug 2015 – Aug 2021*
   M.S. in Statistical and Economic Modeling   *Aug 2013 – May 2015*
   • Advisor: Surya Tokdar
**Tsinghua University**   *Aug 2008 – July 2012*
   B.A. in Economics, Experimental Class of Social Sciences
   B.A. in English, second major

## PROJECTS IN PROGRESS

- "Bayesian Mixtures of Experts with Censorship for Oceanographic Flow Cytometry Data" (with Sangwon Hyun, and Yunzhe Li),
  *manuscript in preparation*
- "Variational Bayes for Group Selection in High-dimensional Linear Regression" (with Bruno Sansó),
  *manuscript in preparation*
- "Consistent Bayesian Community Detection for Assortative Networks" (with Surya T. Tokdar),
  *Rejection and resubmission at Biometrika*
- "Postoperative tooth loss as a predictor of in-stent restenosis in ischemic cerebrovascular stenting patients" (with Qiheng He, Yueping Wang, Jiaxing Zhang, Lei Peng, Zang Liu, and Xu Chen),
  *submitted to Frontiers in Neurology-Stroke*

## PUBLICATIONS

- Surya T Tokdar, **Sheng Jiang**, and Erika L Cunningham. (2024) Heavy-tailed density estimation. ***Journal of the American Statistical Association***. 119 (545), 163-175
- **Sheng Jiang**, and Surya T Tokdar. (2021) Variable selection consistency of Gaussian process regression. ***The Annals of Statistics*** 49(5):2491–2505.
- Rachel M Coyte, Kristen L McKinley, **Sheng Jiang**, Jonathan Karr, Gary S Dwyer, Amy J Keyworth, Christina C Davis, Andrew J Kondash, and Avner Vengosh. (2020) Occurrence and distribution of hexavalent chromium in groundwater from North Carolina, USA. ***Science of the Total Environment***, 711:135135.
- Yi Chen, **Sheng Jiang**, and Li-An Zhou. Estimating returns to education in urban China: Evidence from a natural experiment in schooling reform. ***Journal of Comparative Economics***, 48(1):218–233.

## Teaching

- **University of California Santa Cruz**

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|---|---|
| STAT 80A   Gambling and Gaming | Fall 2022; Winter 2024. |
| STAT 131   Introduction to Probability Theory | Winter, Spring 2022; Summer, Fall 2023; Spring 2024. |
| STAT 132   Classical and Bayesian Inference | Winter, Spring 2023. |
| STAT 266A   Data Visualization and Statistical Programming in R | Spring 2024. |

- **Duke University**

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| Duke Statistical Science Ph.D. First Year Exam (theory) retake tutor | Summer 2020. |

## Honors, Awards and Fellowships

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| • Travel Award, ISBA world meeting | 2022 |
| • Travel Award, Bayesian Nonparametrics Conference (BNP12) | 2019 |
| • Graduate fellowship, The Statistical and Applied Mathematical Sciences Institute (SAMSI) | 2017 |
| • Duke StatSci departmental fellowship | 2015 |
| • Media-Tek. inc and Wu Ta-you Scholar Award, Tsinghua University | 2011 |
| • Academic Talents Honor Society (Xinghuo Honor Program), Tsinghua University | 2010 |
| • Academic Excellence Scholarship, Tsinghua University | 2009, 2010 |

## Conference presentations

2022: EcoSta (virtual),ISBA world meeting, JSM
2021: ISBA world meeting (virtual)
2019: BNP12 (poster)

## Service at UC Santa Cruz

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| • Statistics department seminar (co-)organizer | Spring 2022; Spring, Fall 2023 |
| • Statistics PhD First Year Exam (and its retake) grader | 2022, 2023 |
| • Statistics PhD admission reviewer | January 2022,2023 |

## Referee

Journal of the American Statistical Association (theory and methods) ($2 \times$),
Journal of Statistical Planning and Inference,
Statistical Analysis and Data Mining

## Computer Skills

Fluent in R, Python, Matlab; basic in C++, Stata, Julia

## Others

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| Graduate Fellow, SAMSI Program on Climate and the Earth System | Aug 2017 - May 2018 |
| VIP Consultant, DataFest at Duke | Apr 2016, 2017, 2018 |
| PhD representative, Graduate Consultative Committee of Duke StatSci | Aug 2015- Aug 2016 |
| Intern, Energy Research Institute, National Development and Reform Commission | Feb-June 2012 |