Curriculum Vitae of Jinzhou Li

Personal information

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Education

ETH Zürich — Zürich, Switzerland
Ph.D. in Statistics (ongoing) — *Nov. 2018 - Nov. 2022 (expected)*
- Advisors: Marloes Maathuis and Nicolai Meinshausen

ETH Zürich — Zürich, Switzerland
M.Sc. in Mathematics — *Sep. 2016 - Sep. 2018*
- GPA: 5.98/6, graduated with distinction

Nankai University — Tianjin, China
B.Sc. in Statistics — *Sep. 2012 - Jun. 2016*
- GPA: 89/100

Publications and Preprints

- **J. Li**, M.H. Maathuis, J.J. Goeman (2022). **Simultaneous false discovery proportion bounds via knockoffs and closed testing.** In preparation.
- D. Deuber*, **J. Li***, S. Engelke, M.H. Maathuis (2021). **Estimation and Inference of Extremal Quantile Treatment Effects for Heavy-Tailed Distributions.**
  Preprint: https://arxiv.org/abs/2110.06627.
- J. Scire, J.S. Huisman, A. Grosu, D.C. Angst, **J. Li**, M.H. Maathuis, S. Bonhoeffer, T. Stadler. (2022). **estimateR: An R package to estimate and monitor the effective reproductive number**.
  Submitted.
  Preprint: https://www.medrxiv.org/content/10.1101/2022.06.30.22277095v1.
- J.S. Huisman, J. Scire, D.C. Angst, **J. Li**, R.A. Neher, M.H. Maathuis, S. Bonhoeffer, T. Stadler. (2022). **Estimation and worldwide monitoring of the effective reproductive number of SARS-CoV-2**. eLife, **11**:e71345.
- **J. Li**, M.H. Maathuis (2021). **GGM knockoff filter: False discovery rate control for Gaussian graphical models**. Journal of the Royal Statistical Society, Series B, **83**, 534-558.

Talks

- GGM Knockoff Filter: FDR control for Gaussian graphical models.
  12th International Conference on Multiple Comparison Procedures (MCP), Bremen, Germany. Sep. 2022.

Software

- GGMKnockoffFilter-R, author, https://github.com/Jinzhou-Li/GGMKnockoffFilter-R
  R package on Gaussian graphical model knockoff filter
- extremal-qte-heavy-tailed, contributor, https://github.com/ddeuber/extremal-qte-heavy-tailed
  R package on the estimation and inference of the extremal quantile treatment effects
- covid-19-Re, contributor, https://github.com/covid-19-Re
  R package on the estimation of the effective reproductive number of SARS-CoV-2

Grant

- SNSF postdoc mobility (2023-2025)

Supervision of students

- Zhufeng Li (2021): Co-advised his master's thesis on: Model-X Knockoff Framework for Gaussian Graphical Models.
- David Deuber (2020): Co-advised his master's thesis on: A Quantile Extrapolation Approach for Extreme Quantile Treatment Effect Estimation.
- Yll Haziri (2020): Co-advised his master's thesis on: Unsupervised Feature Selection by AutoEncoders with Local Structure Preservation.
- Zheng Chen Man (2019): Co-advised his bachelor's thesis on: Statistical Models of Outlier Detection Methods for RNA.

Scientific reviewing activities

- Journals: Biometrika, Electronic Journal of Statistics, Journal of the American Statistical Association, Scandinavian Journal of Statistics.
- Conferences: Conference on Uncertainty in Artificial Intelligence (UAI) (2020, 2021, 2022), Conference on Artificial Intelligence and Statistics (AISTATS) (2020, 2021, 2022), Conference on Causal Learning and Reasoning (CLeaR) (2022)

Teaching Assistant

Student Seminar in Statistics: Inference in Some Non-Standard Regression Problems	Sep. 2022 – Dec. 2022
Student Seminar in Statistics: Causality	Feb. 2022 – Jun. 2022
Using R for Data Analysis and Graphics	Sep. 2021 – Dec. 2021
Student Seminar in Statistics: Statistical Network Modeling	Feb. 2021 – Jun. 2021
Student Seminar in Statistics: Multiple Testing for Modern Data Science	Sep. 2020 – Dec. 2020
Applied Time Series	Feb. 2020 – Jun. 2020
Statistical Modelling	Sep. 2019 – Dec. 2019
Computational Statistics	Feb. 2019 – Jun. 2019

Skills

- Computer Skills: R (advanced), Python (intermediate) and Matlab (intermediate).
- Language Skills: Chinese (native), English (fluent) and German (basic)

Other Interests

Snowboarding, swimming, hiking, artificial intelligence