

# Yaguang Li

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Chinese nationality  
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## Research Interests

I am interested in High-dimensional statistical learning, model selection, change point, functional/spatial data analysis, precision (personalized) medicine.

## Education

Ph.D., Department of Statistics and Finance, **University of Science and Technology of China**, Hefei, China, supervised by Yaohua Wu, Ph.D. and Baisuo Jin, Ph.D., obtained Dec 2018.

B.S., School of Mathematics, **South China University of Technology**, Guangzhou, China, obtained June 2012.

## Professional Experiences

Visiting Ph.D. student for Subgroup Detection in Precision Medicine under the direction of Jialiang Li at Department of Statistics and Applied Probability, **National University of Singapore**, Singapore (August, 2017 – August, 2018)

Research Intern for Data Collection Monitoring and Cleaning Project at **Guoyuan Securities** Data analysis lab, Hefei, China (March, 2016 – March, 2017)

## Research

### *Publications*

Jialiang Li, **Yaguang Li**, and Baisuo Jin. (2018). Multi-threshold Change Plane Model: Estimation Theory and Applications in Subgroup Identification. arXiv:1808.00647 (Under Review).

**Yaguang Li** and Baisuo Jin. (2018). Pairwise Fusion Approach Incorporating Prior Constraint Information. Communications in Mathematics and Statistics, doi: 10.1007/s40304-018-0168-3.

Jingli Wang, Jialiang Li, **Yaguang Li**, Weng Kee Wong. (2018) A model-based multi-threshold method for subgroup identification. Statistics in Medicine, DOI:10.1002/sim.8136.

Baisuo Jin, **Yaguang Li**, Jialiang Li, Yuehua Wu. (2017) Simultaneous Multiple Change-point Detection in the Spatio-Temporal Linear Models (Under Review).

**Yaguang Li**, Yaohua Wu and Baisuo Jin. (2017). Consistent tuning parameter selection in high dimensional group-penalized regression. *SCIENCE CHINA Mathematics*, doi:10.1007/s11425-017-9189-9.

*Working paper*

**Yaguang Li** and Jialiang Li. (2018) Multiple change-point analysis for functional data.

*Presentations*

Consistent Multiple Change-point Detection and R implementation. Presented at The 10-th China R Conference, Hefei, China, June 18, 2017.

Simultaneous Multiple Change-point Detection in the Spatio-Temporal Linear Models. Presented at The 11th National Congress, Chinese Society of Probability and Statistics. Chengdu, China, Oct 27, 2018.

## Honors and Awards

Suzhou Industrial Park Scholarship, USTC, 2017.

Graduate academic scholarships, USTC, 2015, 2016, 2017.

## Computing Skills

R, MATLAB,  $\text{\LaTeX}$ , adequate with Python, C/C++.

Last updated: February 19, 2019