

# MINXING ZHENG

minxing.zheng@marshall.usc.edu

## EDUCATION

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### Ph.D. in Statistics

08/2022 - present

*University of Southern California*

California, USA

Department of Data Sciences and Operations, Marshall School of Business

### M.S. in Statistics

09/2020 - 05/2022

*University of Wisconsin, Madison*

Wisconsin, USA

Department of Statistics

### B.S. in Statistics & B.S. in Applied Math

09/2017 - 06/2021

*Renmin University of China*

Beijing, China

Department of Statistics & Department of Mathematics

## RESEARCH INTERESTS

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- Network analysis, statistical inference on graph and network.
- Object data analysis. theory-backed methods and inference for analyzing metric space-valued data.
- Latent structure model and its application in various types of data
- Statistical sampling algorithm and its properties

## PUBLICATIONS

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**Minxing Zheng**, Xinran Miao, and Kris Sankaran. Interactive visualization and representation analysis applied to glacier segmentation. *ISPRS International Journal of Geo-Information*, 11(8), 2022

## RESEARCH EXPERIENCE

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### Change Point Detection of Random Objects based on Depth Profile

2022 - present

*Advised by Prof. Paromita Dubey*

University of Southern California

### A Comparative Study of Network Sampling Algorithms via Monte Carlo

2020 - present

*Advised by Prof. Yichen Qin*

University of Cincinnati

### Image Segmentation of Remote Sensing Glacier Images

2020 - 2022

*Advised by Prof. Kris Sankaran*

University of Wisconsin Madison

### Estimating Network Extreme Value Distribution via Bootstrap

2021 - 2022

*Advised by Prof. Keith Levin*

University of Wisconsin Madison

### Network Representation and Network Nonparametric Two Sample Test

2021 - 2022

*Advised by Prof. Arash Amini*

University of California Los Angeles

## SKILLS

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**Programming skills:** Python, R, Linux, Cluster Computing (HTCondor and Slurm), Latex, Git.