

HANBIN LIU

Sourthen University of Science and Technology \diamond Shenzhen, China

Homepage: <https://hanbin-liu.github.io> \diamond Email: liuhanbin1023@gmail.com

EDUCATION

Southern University of Science and Technology(SUSTech), China

Sep 2019-Present

Department of Statistics and Data Science

Major in Statistics

- GPA: 3.87/4.00(ranking: 2/28)
- Major courses: Probability Theory(100), Mathematical Statistics(100)

SKILLS

R, Python, MATLAB, Java, LaTeX, HTML

RESEARCH EXPERIENCE

Prof. Jicong Fan's Group(Statistics and Machine Learning)

Jul 2021-Sep 2021

Research Assistant, CUHK-Shenzhen, School of Data Science

Shenzhen, China

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Prof. Alice Cheng's Group(COVID-19 pandemic)

Jul 2021-Aug 2021

Undergraduate Research Program(GEARS)(Remote), NC State

NC, U.S.A

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RESEARCH PUBLICATION

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SEMINAR & PROJECT

Data Mining Applications in DC Crime(Supervisor: Prof. Zhen Zhang)

Spring 2021

- Data statistics and data visualization, including data preprocessing, visualization, correlation analysis and analysis of crimes over geography and time.
- Classification & Clustering: classify(cluster) the geography by the crime events.
- Predicting the number of crimes in the future and using PCA to reduce dimensionality.

Self-contained Report on Discrete Math(Supervisor: Prof. Qi Wang)

Fall 2020

- Stating the methods of solving linear recurrence relations in the language of linear algebra.
- Report: <https://hanbin-liu.github.io/linear-recurrence-report/>

TEACHING

Teaching Assistant

Fall 2021

- MA204 Mathematical Statistics

AWARDS & HONORS

China National Encouragement Scholarship

Nov 2020

The 12th Chinese Mathematics Competitions(Provincial First Prize)

Dec 2020

STANDARD TESTS

GRE General Test

320+4.0(152 V, 168 Q, 4.0 AW)

Mar 2021