HANBIN LIU

Sourthen University of Science and Technology ⋄ Shenzhen, China
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EDUCATION

Southern University of Science and Technology(SUSTech), China   *Sep 2019-Present*
Department of Statistics and Data Science
Major in Statistics

· GPA: 3.33/4.00(ranking: 27/28)
· Major courses: Mathematical Analysis, Advanced Linear Algebra(II:100), Probability Theory(100), Mathematical Statistics(100)

SKILLS

R, SAS, Python, MATLAB, Java, LaTeX, HTML

RESEARCH EXPERIENCE

Prof. Jicong Fan's Group(Statistics and Machine Learning)   *Jul 2021-Sep 2021*
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

Seminar on Convex Optimization (Supervisor: Prof. Bingyi Jing)   *Jul 2021-Present*

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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 Fisrt Prize) *Dec 2020*

STANDARD TESTS

GRE General Test 320+4.0(152 V, 168 Q, 4.0 AW) *Mar 2021*
TOEFL Test 75   (20 R, 15 L, 20 S, 20 W) *Jul 2021*