LEI QIAN

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EDUCATION

Peking University   *Sep. 2023 - Present*
M.Sc in Data Science, Academy for Advanced Interdisciplinary Studies
Advisor: Prof. Song Xi Chen

East China Normal University   *Sep. 2018 - Jul. 2023*
B.Sc in Statistics, School of Statistics

RESEARCH INTERESTS

Diffusion Model, Kalman Filter, High-dimensional Statistics, Statistics Learning Theory, Deep Learning

RESEARCH EXPERIENCE

Diffusion Model Statistical Theory   *Sep. 2023 - Present*

Ensemble Kalman Filter   *May. 2024 - Present*

WORKING PAPER

1. Qian, L., et al.(2024). Maximum Likelihood-Based Generative Models with the Closed-form Approximation. (Manuscript)

2. Qian, L., et al.(2024). Block Ensemble Kalman Filter with Optimal Selection under High Dimension. (Manuscript)

PUBLICATIONS

1. Sun, M., **Qian, L.**, Mukherjee, A., & Xiang, D.(2023). An EWMA chart for high dimensional process with multi-class out-of-control information via random forest learning. Quality Technology & Quantitative Management, 1-27.

SKILLS

Programming: Python, R, C++, SQL, LaTeX
Languages: Mandarin(native), English(CET-6 533)

AWARDS AND SCHOLARSHIPS

Merit Communist Youth League Cadres of East China Normal University   *Apr. 2022*
Second Prize of The China Undergraduate Mathematical Contest in Modeling *Dec. 2021*
Second Prize of The Chinese Mathematics Competitions   *Nov. 2020*
Baidu Star Programming Competition Finals   *Oct. 2020*
Merit Scholarship of East China Normal University   *2019/2020/2021*