Jingyi HU

(+86)18711146901 • Jyjj07@163.com • jingyihu07.github.io

EDUCATION

The University of Hong Kong   **Hong Kong, China**
PhD in Statistics   *Sep 2024 – now*

- Advisors: Dr. Yu GU

Zhejiang University   **Hangzhou, China**
Bachelor of Mathematics and Applied Mathematics   *Sep 2020 – Jun 2024*

- **GPA of Third year:** 3.87/4.00
- **Relevant Courses:**

  Practice of Mathematics(100), Mathematical Soft(100), Mathematical Statistics(97), Stochastic Process(97), Probability Theory(H)(93), Scientific Computing(95), Point Set Topology(95), Complex Variable Functions(92), Abstract Algebra(91), Macroeconomics(A)(95), Python Programming(92)

- **Honors & Awards:**

  Outstanding Graduate Award, Zhejiang University   *Jun 2024*
  Zhejiang University Second Prize Scholarship(Top 8%)   *Oct 2022*
  Second Prize of Zhejiang physics Innovation Competitions   *Jan 2022*
  Second Prize of The Chinese Mathematics Competitions   *Dec 2021*

Purdue University   **West Lafayette, USA**
Online Exchange Program   *May 2023 – Jun 2023*

- Explored scattering theory, focusing on formulating mathematical model and analyzing mathematical approaches.

Université de Paris   **Paris, France**
Online Exchange Program   *Nov 2021 – Dec 2021*

- Discussed quiver representations and cluster algebras.

PROJECTS

Genetic Algorithm for Numerical Optimization   *Sep 2023 – Oct 2023*
- Developed Python algorithms; Assessed parameter impacts (population size, mutation rate, selection operator) on online/offline performance.
  Evaluated multi-objective genetic algorithms with varied selection methods.

Cluster Analysis and Factor Analysis   *Jan 2023 – Feb 2023*
- Downscale variables from over 4,000 health examination samples by principal component method before clustering;
  Built factor analysis model, rotated factors, and analyzed factor significance and their correlation with age.

Student Quality Training Project   *Apr 2022 – Sep 2022*
- "21-Day Experiment on University Students: Detoxing from Phones before Bed"
  Reviewed literature, collected 714 questionnaires and tracked sleep patterns of 72 participants over 21 days.
  Used R for data analysis

EXTRACURRICULAR ACTIVITIES

Ping An Bank, Changsha Branch   *Jul 2022 – Aug 2022*
Intern

- Supported daily bank tasks. Fortified customer relationships, dispensed basic financial counseling, and partook in risk evaluations and compliance verifications.

Student Union of CKC College, Zhejiang University   *Sep 2020 – Jul 2021*
Member of Rights&Interests Service Department

- Organised school welfare activities such as extracurricular courses for students, reaching 2,000+ participants.
  Operated a WeChat official account, and many tweets were read more than 800.

SKILLS

- Computer: Python, R, C, Matlab, Latex
- Language: Chinese(native), English(IELTS:7.5)