

JIAHUI XIN

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EDUCATION

- **University of Cambridge, MRC Biostatistics Unit** Jan. 2026 – Present
Cambridge, UK
Visiting Ph.D. Student
 - Hosted by Dr. David Robertson.
- **Renmin University of China, Institute of Statistics and Big Data** Sept. 2021 – June 2026 (Expected)
Beijing, China
Ph.D. Candidate in Statistics
 - GPA: 3.84/4.0
 - Supervised by Prof. Wei Ma.
- **University of Science and Technology of China, Special Class for the Gifted Young** Sept. 2016 – June 2021
Hefei, China
B.S. in Statistics
 - Major GPA: 3.95/4.3, Total GPA: 3.75/4.3
 - Initially majored in Physics (Sept. 2017 – June 2018).

PAPERS

- [1] **On the Achievability of Efficiency Bounds for Covariate-Adjusted Response-Adaptive Randomization.**
Jiahui Xin and Wei Ma.
Statistical Methods in Medical Research, 2025.
- [2] **Cross-Validation Model Averaging under Covariate-Adaptive Randomization.**
Fuyi Tu, Jiahui Xin and Wei Ma.
Under Review at *Statistica Sinica*.
- [3] **Covariate-Adaptive Randomization with Many Strata: Asymptotic Theory and Statistical Inference.**
Jiahui Xin, Hanzhong Liu, Feifang Hu and Wei Ma.
In preparation for submission to *Journal of the American Statistical Association*; early version available on arXiv:2405.18856.
- [4] **Covariate-Adaptive Enrollment for Single-Arm Trials.**
Jiahui Xin, Hengjia Fang, Zhiyue Huang, Satoshi Yoshida and Wei Ma.
Working paper.

TALKS

- **Drug Information Association, Quantitative Science Forum** 2025
Nanjing, China
Invited Speaker
- **Chinese Statistical Association of Young Statisticians, Ph.D. Student Forum** 2025
Jinan, China
Travel Award & Oral Presentation
- **National Graduate Student Statistics Forum, Biostatistics and Epidemiology Section** 2024
Beijing, China
Selected Paper & Oral Presentation

INTERNSHIP EXPERIENCE

- **Astellas Pharma [🌐] (Clinical Biometrics Function)** June 2025 – Aug. 2025
Beijing, China
Clinical Biostatistics Intern, Adaptive Strategy
 - Mentors: Dr. Zhiyue Huang and Satoshi Yoshida.
 - Developed adaptive enrollment strategies for single-arm survival trials under practical covariate shift.
- **Honor Device [🌐] (R&D Management Department)** July 2021
Nanjing, China
R&D Intern, Audio Augmentation
 - Mentor: Dr. Lei Fang.
 - Augmented synthetic speech with room-reverberation simulation to boost automatic speech recognition robustness.

SPECIALIZED TRAINING

- **Causal Analyses of Complex Experiments** Dec. 2025
Yau Mathematical Sciences Center, Tsinghua University
- **Causal Inference and A/B Testing** July 2024 – Aug. 2024
Guanghua School of Management, Peking University
- **Reinforcement Learning** Dec. 2023
Institute of Statistics and Big Data, Renmin University of China
- **Topics and Recent Advances in Causal Inference** June, July & Dec. 2023
Yau Mathematical Sciences Center, Tsinghua University
- **Semiparametric Learning** July 2023
Institute of Statistics and Big Data, Renmin University of China

TEACHING ASSISTANT EXPERIENCE

• Renmin University of China	<i>Adaptive Design and Reinforcement Learning</i>	Spring 2025 Beijing, China
• Renmin University of China	<i>Advanced Statistical Computation</i>	Fall 2024 Beijing, China
• Renmin University of China	<i>Advanced Applied Statistics and Data Analysis</i>	Spring 2024 Beijing, China
• Renmin University of China	<i>Statistical Models and Inference</i>	Fall 2022 Beijing, China
• University of Science and Technology of China	<i>Complex Analysis</i>	Spring 2020 Hefei, China
• University of Science and Technology of China	<i>Optics and Atomic Physics</i>	Spring 2019 Hefei, China

SKILLS

- **Programming & Tools:** R, Rcpp, Python
- **Languages:** Chinese (Native), English (Fluent)

REFEREES

• Dr. Wei Ma [ <td><i>Ph.D. Supervisor</i></td> <td>Oct. 2022 – Present</td>	<i>Ph.D. Supervisor</i>	Oct. 2022 – Present
◦ Associate Professor	Institute of Statistics and Big Data Renmin University of China 59 Zhongguancun Street Beijing 100872, China Email: mawei@ruc.edu.cn	
• Dr. Hanzhong Liu [ <td><i>Collaborator</i></td> <td>Jan. 2023 – Present</td>	<i>Collaborator</i>	Jan. 2023 – Present
◦ Associate Professor	Department of Statistics and Data Science Tsinghua University 30 Shuangqing Road Beijing 100084, China Phone: +86 10 6278 0575 Email: lhz2016@tsinghua.edu.cn	
• Dr. Feifang Hu [ <td><i>Collaborator</i></td> <td>July 2025 – Present</td>	<i>Collaborator</i>	July 2025 – Present
◦ Professor and Department Chair	Department of Statistics George Washington University 801 22nd St. NW Washington, DC 20052, USA Phone: +1 804 310 0383 Email: feifang@gwu.edu	