

# 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.  
Submitted to *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

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

## SKILLS

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

## REFEREES

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• <b>Dr. Wei Ma</b> [  <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: <a href="mailto:mawei@ruc.edu.cn">mawei@ruc.edu.cn</a>	
• <b>Dr. Hanzhong Liu</b> [  <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: <a href="mailto:lhz2016@tsinghua.edu.cn">lhz2016@tsinghua.edu.cn</a>	
• <b>Dr. Feifang Hu</b> [  <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: <a href="mailto:feifang@gwu.edu">feifang@gwu.edu</a>	