Hirofumi Shiba

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Last Update: 3/8/2025

Academic History

🎓 **Ph.D. in Statistical Science**. *Graduate University for Advanced Studies, SOKENDAI, Tokyo, Japan*. 2023.4 – 2028.3

Superivsor: Kengo Kamatani

🎓 **B.A. in Mathematics**. *The University of Tokyo, Japan*. 2019.4 – 2023.3

Supervisor: Nakahiro Yoshida

Research Interests

Monte Carlo methods, Diffusion Models, Neural Networks, and Bayesian Statistical Modelling, especially in Political Science & Biostatistics

Work Experience

💼 **Data Scientist**. *PreMedica, Inc., Tokyo, Japan*. 2024.9 – today

Provided Bayesian data analysis solutions for clients in the healthcare industry.

💼 **Research Assistant**. *The Institute of Statistical Mathematics, Tokyo, Japan*. 2023.7 – 2025.3

Contributed to the R package YUIMA, an open-source project aiming to simulate and infer multidimensional stochastic differential equations, with an emphasis on Bayesian inference.

💼 **Cooperative Researcher**. *RCAST, the University of Tokyo, Japan*. 2023.4 – today

Research on trustworthy AI and machine learning from the viewpoint of economic security.

💼 **Data Scientist**. *IMIS Co., Ltd*. 2022.8 – 2024.1

Provided statistical analysis and machine learning solutions for clients in the manufacturing industry.

Research Visit

🏛 Department of Statistical Science, **University College London**, United Kingdom. 2024.11.4 – 2024.12.2

Supervisor: Alexandros Beskos

🏛 Department of Statistics & Data Science, **National University of Singapore**. 2025.6.1 – 2025.6.30

Supervisor: Alexandre Thiéry

🏛 Institute of Stochastics, **Ulm University**, Germany. 2025.7.13 – 2025.7.26

Supervisor: Evgeny Spodarev

Awards

👍 **Best Poster Award**, 19th Spring Meeting of the Japan Statistical Society.   2025.3.8
👍 **Director's Award** from the Japan Statistical Society Certificate.   2025.3.8