Hirofumi Shiba

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Education

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

Main Research Interests

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

Experience

Data Scientist. *PreMedica, Inc., Tokyo, Japan*. 2024.9 – today
Provided Bayesian data analysis solutions to healthcare applications.

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.

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

Grants & Awards

Research Fellow. *Graduate University for Advanced Studies, SOKENDAI, Tokyo, Japan*. 2025.4 – today
Supported by JST BOOST, Japan Grant Number JPMJBS2412.

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