

Profile and Skills

Hirofumi is currently a Ph.D. candidate at the Institute of Statistical Mathematics, working under the supervision of Prof. Kengo Kamatani.

He holds Japanese citizenship and is a native speaker of both Japanese and Chinese. Additionally, He is fluent in English.

Hirofumi is also a contributor to the YUIMA R package, an open-source project aiming to simulate and infer multidimensional stochastic differential equations.

Research Interests

- Monte Carlo methods, including Markov Chain Monte Carlo and Sequential Monte Carlo.
- Stochastic processes, including Markov processes and Stochastic Differential Equations.
- Machine Learning and Bayesian statistics, including Bayesian deep learning and multilevel modeling.

Work Experience

Research Assistant. <i>The Institute of Statistical Mathematics, Tokyo, Japan.</i>	2023.7 – today
Cooperative Researcher. <i>RCAST, the University of Tokyo, Japan.</i>	2023.4 – today
Data Scientist. <i>IMIS Co., Ltd.</i>	2022.8 – 2024.1

Education

Ph.D. in Statistical Science. <i>Graduate University for Advanced Studies, SOKENDAI, Tokyo, Japan.</i>	2023.4 – 2028.3
Supervisor: Kengo Kamatani	
B.A. in Mathematics. <i>The University of Tokyo, Japan.</i>	2019.4 – 2023.3