

## 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

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

## Education

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