

# YUGA HIKIDA

## BASIC INFORMATION

<i>Birthday</i>	29/11/1999
<i>Nationality</i>	Japanese
<i>Work address</i>	Otakaari 1 00076 Aalto Finland
<i>email</i>	<a href="mailto:yuga.hikida@gmail.com">yuga.hikida@gmail.com</a>
<i>website</i>	<a href="https://yugahikida.github.io">https://yugahikida.github.io</a>

## EXPERIENCE

<i>Aalto University</i>	1/2025-	Doctoral researcher
		Conducting research project on simulation-based inference funded by the Research Council of Finland.
<i>TU Dortmund University</i>	9/2023-	Research Assistant
		Development of R package for estimation of Bayesian Proxy Structural Vector Autoregressive model. Preparation of lecture materials for econometric and statistics. Advisors: Dr. Jan Prüser, Prof. Carsten Jentsch
<i>TU Dortmund University</i>	6/2023-	Research Assistant
		Development of R package for meta-uncertainty quantification for Bayesian model comparison. Creating interactive figures / animation for visualization of the paper. Advisor: Marvin Schmitt
<i>Rejoui.inc</i>	2021-2023	Data Scientist Intern
		Conducted association analysis of patient's sentiment and injection using medical consultation audio clips. Data analysis of log data from e-learning platform to understand customer behaviour.

## EDUCATION

<i>PhD in Computer Science</i>	2025 -	Aalto University
		Topic: Robust and efficient simulation-based inference. Advisors: Dr. Ayush Bharti, Assoc.Prof. François-Xavier Briol
<i>Masters of Econometrics</i>	2022-2024	University Alliance Ruhr
		Grade · 1.3/4 (Best: 1) Jointly offered by TU Dortmund University, Ruhr University Bochum, and University of Duisburg-Essen. Thesis: <i>Amortized adaptive experimental design for multiple models</i>
<i>Bachelor of Economics</i>	2018-2022	University of Sussex
		Grade · First-class Honour Thesis: <i>Reaction of Crude Oil Market on OPEC Announcement</i>

## PUBLICATIONS

Marvin Schmitt, Yuga Hikida, Stefan T Radev, Filip Sadlo, and Paul-Christian Bürkner. "The Simplex Projection: Lossless Visualization of 4D

SOFTWARE SKILLS

<i>Advanced</i>	R · Development of R package; data analysis using tidy, ggplot, brms and bayesplot; Interactive app using quarto. Python · Data analysis using numpy, pandas, sklearn and pyplot. Simulation based inference using PyTorch and BayesFlow.
<i>Intermediate</i>	Python · Web development (HTML/CSS, JavaScript, Flask, WordPress) Other · Stan, SQL

OTHER INFORMATION

<i>Awards</i>	2023 · Scholarship Deutschlandstipendium (€3,600) 2024 · DAAD Scholarship for special commitment (€600)
<i>Certificates</i>	2022 · Neuromatch Certificate of Completion 2021 · Deep Learning Specialization by DeepLearning.AI 2021 · CS50x: Introduction to Computer Science
<i>Languages</i>	ENGLISH · Full professional proficiency JAPANESE · Native

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