

YUGA HIKIDA

BASIC INFORMATION

Birthday 29/11/1999
Nationality Japanese
Address Dortmund, Germany
email yuga.hikida@gmail.com
website <https://yugahikida.github.io>

EXPERIENCE

4/2024- Master Thesis Project
TU Dortmund University Title (tentative): Amortized adaptive experimental design for multiple candidate models.
Advisor: Marvin Schmitt, Desi R. Ivanova, Prof. Dr. Paul-Christian Bürkner

9/2023- Research Assistant, Department of Statistics
TU Dortmund University Development of R package for estimation of Bayesian Proxy Structural Vector Autoregressive model.
Preparation of lecture materials for econometric and statistics.
Advisor: Dr. Jan Prüser, Prof. Dr. Carsten Jentsch

6/2023- Research Assistant, Department of Statistics
TU Dortmund University Development of R package for meta-uncertainty quantification for Bayesian model comparison.
Creating interactive figures / animation for visualization of the paper.
Advisor: Marvin Schmitt

2021-2023 Data Scientist Intern
Rejoui.inc 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.
Creating educational contents for data science learner.

EDUCATION

10/2022- University Alliance Ruhr
Masters of Econometrics Current grade · 1.43/4 (Best: 1)
Jointly offered by TU Dortmund University, Ruhr University Bochum, and University of Duisburg-Essen.
Expected graduation: 10-11/2024

2018-2022 University of Sussex
Bachelor of Economics Grade · First-class Honour
Thesis: *Reaction of Crude Oil Market on OPEC Announcement*

PUBLICATIONS

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

Compositional Data on a 2D Canvas". In: *arXiv preprint arXiv:2403.11141* (2024)
(Preprint)

SOFTWARE SKILLS

Advanced 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.

Intermediate Python · Web development (HTML/CSS, JavaScript, Flask, WordPress)
 Other · Stan, SQL

OTHER INFORMATION

Awards 2023 · Scholarship Deutschlandstipendium (€3,600)

Certificates 2022 · Neuromatch Certificate of Completion
 2021 · Deep Learning Specialization by DeepLearning.AI
 2021 · CS50x: Introduction to Computer Science

Languages ENGLISH · Full professional proficiency
 JAPANESE · Native

August 5, 2024