Masatoshi Uehara.
uehara_m@g.harvard.edu https://masatoshiuehara.com/

Personal Information
Date of Birth: 07/29/1994
Nationality: Japanese

Education
April 2013-Aprial 2017 Department of Mathematical Engineering, The University of Tokyo, BE
September 2017- Department of Statistics, Harvard University, PHD program

Research Interests

Reinforcement learning, Causal inference, Online learning

Publications (* indicates alphabetic ordering.)
Intrinsically Efficient, Stable, and Bounded Off-Policy Evaluation for Reinforcement Learning
Kallus, N. Uehara, M*.
In Thirty-third Conference on Neural Information Processing Systems (NeurIPS 2019), to appear.

Preprints
Efficiently Breaking the Curse of Horizon: Double Reinforcement Learning in Infinite-Horizon Processes
Kallus, N. Uehara, M*.
https://arxiv.org/abs/1909.05850.pdf
Double Reinforcement Learning for Efficient Off-Policy Evaluation in Markov Decision Processes
Kallus, N. Uehara, M*.
https://arxiv.org/pdf/1908.08526.pdf
Information criteria for non-normalized models
Takeru, M. Uehara, M**.** Hyvarinet, A.
https://arxiv.org/pdf/1905.05976.pdf
Imputation estimators for unnormalized models with missing data
Uehara, M, Takeru, M. Kim, J.W,
https://arxiv.org/pdf/1903.03630.pdf
Unified estimation framework for unnormalized models with statistical efficiency
Uehara, M**.** Kanamori,T. Takenouch, T. Matsuda, T
https://arxiv.org/pdf/1901.07710.pdf
Semiparametric response model with nonignorable nonresponse
Uehara, M. Kim, J.W.
https://arxiv.org/pdf/1810.12519.pdf
Analysis of Noise Contrastive Estimation from the Perspective of Asymptotic Variance
Uehara, M. Matsuda, T Komaki, F.
https://arxiv.org/abs/1808.07983.pdf
Generative Adversarial Nets from a Density Ratio Estimation Perspective,
Uehara, M. Sato, I. Suzuki, M. Nakayama, K and Matsuo, Y.
https://arxiv.org/abs/1610.02920.pdf

Teaching
Linear models. Teaching assistant 2018 Fall with Prof. Kevin Rader
Introduction to Stochastic process. Teaching assistant 2018 Spring with Prof. Natesh Phillani