Soichiro Nishimori

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https://github.com/nissymori

Open-minded and curiosity-driven second-year master's student with a deep understanding and a strong preference for statistics and reinforcement learning, able to learn independently, work in harmony with team members, and clear obstacles through repeated hypothesis verification.

Education

Master of Engineering, Graduate School of Frontier Science, The University of Tokyo Chiba

Supervisor: Professor Masashi Sugiyama   Apr. 2022 - Present

Theme: Offline Reinforcement Learning, Statistical Machine Learning

Bachelor of Integrated Human Studies, Kyoto University Kyoto

Supervisor: Professor Shin Ishii   Apr. 2018 - Mar. 2022

Theme: Partially Observable Markov Decision Process (POMDP)

Publications

International Conferences

1. Mjx: A framework for Majhong AI research   **IEEE(CoG) 2022**

S. Koyamada, K. Habara, N. Goto, Shinri O., **S. Nishimori**, and S. Ishii.

2. Pgx: Hardware-accelerated parallel game simulation for reinforcement learning   **NeurIPS 2023**

S. Koyamada, S. Okano, **S. Nishimori**, Y. Murata, K. Habara, H. Kita, and S. Ishii

Pre-prints

1. End-to-End Policy Gradient Method for POMDPs and Explainable Agents

S. Nishimori, S. Koyamada, S. Ishii

Experiences

Research Intern   Jul. 2022 – Sep. 2023

OMRON SINICX – Tokyo, Japan

Data Science Intern   Dec. 2020 – Apr. 2022

Scrumsign.Inc – Kobe, Japan

Fellowships

Research Fellowship for Young Scientists (DC1)   Apr 2024 -

Japanese Society for the Promotioin of Science

200 000 JPY / month

Skills and Interests

Programming Languages, Frameworks, and Tools: Python, Ruby, PyTorch, TensorFlow, Keras, Pyro, TensorFlow Probability, NumPy, Pandas, Matplotlib, Django, Git/Github, Docker, Linux

Knowledge: Statistics, Bayes modeling, General RL, Model-based RL

Languages: Japanese, English (TOEFL-iBT 96)

Interests: Model-based RL, POMDP-RL, Statistical-RL, World Model, Theory of Consciousness