

Shintaro Sakai

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Research Interests

AI Fairness, AI Ethics, Social Psychology, Computational Social Science, Natural Language Processing, Cultural Analytics

Education

Nagoya University, (Nagoya, Japan)

April 2021 – Present

- MS - Informatics
- Cumulative GPA: 4.05/4.3

Nagoya University, (Nagoya, Japan)

April 2017 – March 2021

- BS - Informatics
- Cumulative GPA: 3.91/4.3

Publications and Conferences

1. Kaisla Kajava, Ana Paula Gonzalez Torres, Antti Rannisto, **Shintaro Sakai**. Justifying AI and its Regulation: Examining Multi-Stakeholder Feedback on the AI Act. 2023. (Under peer review at AI & SOCIETY)
2. **Shintaro Sakai**, Akira Matsui. Quantifying Historical Change in Occupational Gender Stereotypes between 1900 and 1999 in Japan. 2023. (Preparing a manuscript)
3. **Shintaro Sakai**. Evaluating the impact of lexical gender bias on gender bias measurement with word embeddings. The New Directions in Analyzing Text as Data (TADA 2023). 2023. (Poster)
4. **Shintaro Sakai**, Yasuhiro Suzuki. Evaluating the Quality of Word Embedding Trained on Wikipedia Articles. The 9th International Conference on Computational Social Science (IC2S2 2023). 2023. (Poster)
5. **Shintaro Sakai**. Evaluating Semantic Changes in the Concept of Happiness with Diachronic Word Embeddings. The 9th International Conference on Computational Social Science (IC2S2 2023). 2023. (Poster)
6. **Shintaro Sakai**, Yasuhiro Suzuki. 日本語単語埋め込みモデルにおけるジェンダーバイアスの評価 (Evaluation of Gender Bias in Japanese Word Embedding Model). The 37th Annual Conference of the Japanese Society for Artificial Intelligence (JSAI 2023). 2023.
7. **Shintaro Sakai**. Evaluation of Occupational Gender Bias in Japanese Word Embedding. The 2nd Annual Meeting of the Japanese Society for Computational Social Science. 2023.
8. **Shintaro Sakai**, Yasuhiro Suzuki. ヤフーニュースにおけるアクセスランキングとコメントランキングの時間系列データの分析 (Analysis on Time Series Data of Access Rankings and Comment Rankings in Yahoo News). Joint Workshop of the Japanese Society for Artificial Intelligence. 2021.

Research Experience

Research Intern at Aalto University (Espoo, Finland)

May 2022 – July 2022

- Aalto Science Institute AScI internship programme.
- Advisor: Nitin Sawhney, Group: [CRAI-CIS research group](#)
- I analyzed feedback from various stakeholders on the AI Act proposal with Natural Language Processing.

Awards and Honors

The Cornell, Maryland, Max Planck Pre-doctoral Research School 2022

August 2022

[Website](#)

(Saarbrücken, Germany)

- I was chosen as one of the participants. I attended lectures on cutting-edge computer science research and

interacted with inspiring faculties and peers.

Exemption from the Graduate School Entrance Exam

August 2020

- Qualified for an exemption from the graduate school entrance exam because of my high GPA.

Delegate to an Exchange program with the University of Cambridge

February 2019

- Selected as one of 6 students based on GPA, English essay, and English interview.
- Received funding to participate in the program from the University of Cambridge and Tokai Tokyo Foundation

Excellent Student Award for TOEFL ITP Test Result.

September 2018

- Selected as one of 10 students from more than 2000 students at Nagoya University for the excellence of TOEFL ITP Test result.
- Received funding to participate in an exchange program with Monash University.

Languages

- English: IELTS Overall Band Score 7.5 (Listening 7.5, Reading 8.5, Writing 7.0, Speaking 6.5)
- German: Beginner Level (I took German courses when I was an undergraduate student)
- Japanese: Native Level

Hobbies

- **Creative Coding:** I enjoy creative coding using Processing and P5.js

My artwork is available at: https://www.instagram.com/creativecoding_lab/