

# Kohei Kajikawa

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## Education

### M.A. in Linguistics

Advisor: Dr. Yohei Oseki

The University of Tokyo  
April 2023 - March 2025 (expected)

- Thesis: *Structure Dependence is Shaped for Efficient Communication*

### B.A. in Linguistics (Minor in Computer Science)

Advisor: Dr. Yohei Oseki

The University of Tokyo  
April 2019 - March 2023

- Thesis: *Incremental Semantic Composition as Psycholinguistically Plausible Strategy*
- Additionally completed *Mathematics and Data Science Program*

## Publication

### Papers in Refereed Conference Proceedings

- **Kohei Kajikawa**, Yusuke Kubota, and Yohei Oseki. (2024). Is Structure Dependence Shaped for Efficient Communication?: A Case Study on Coordination. In *Proceedings of the 28th Conference on Computational Natural Language Learning (CoNLL)*. pages 291–302, Miami, FL, USA. (oral presentation, Best Paper Award)
- **Kohei Kajikawa**, Ryo Yoshida, and Yohei Oseki. (2024). Dissociating Syntactic Operations via Composition Count. In *Proceedings of the 46th Annual Meeting of the Cognitive Science Society (CogSci)*. pages 297–305, Rotterdam, The Netherlands. (oral presentation)
- **Kohei Kajikawa**. (2023). Analyzing Japanese Cleft Construction in Combinatory Categorical Grammar. In *Proceedings of Logic and Engineering of Natural Language Semantics 20 (LENLS)*. pages 99–103, Osaka, Japan. (oral presentation)
- Shinnosuke Isono, Takuya Hasegawa, **Kohei Kajikawa**, Koichi Kono, Shiho Nakamura, and Yohei Oseki. (2022). Formalizing argument structures with Combinatory Categorical Grammar. In *Proceedings of Logic and Engineering of Natural Language Semantics 19 (LENLS)*. pages 21–25, Tokyo, Japan. (oral presentation)

### Journal Articles

- Shinnosuke Isono, Takuya Hasegawa, **Kohei Kajikawa**, Koichi Kono, Shiho Nakamura, and Yohei Oseki. (2023). Formalizing Argument Structures with Combinatory Categorical Grammar. *Lecture Notes in Computer Science*, 83–99.

### Presentations (Domestic Conference)

- Shinnosuke Isono, **Kohei Kajikawa**, and Yohei Oseki. (2024). Nihongo-daikibo-yomijikan-kopasu-ni-okeru kioku-no-huka-no CCG-ni-yoru modering (Modeling memory load with CCG on a large-scale Japanese reading time corpus). *The 168th Meeting of Linguistic Society of Japan*. Tokyo, Japan.
- **Kohei Kajikawa**, Yusuke Kubota, and Yohei Oseki. (2024). Toogo-henkee-wa komyunikeeshon-kara soohatsu-suru-no-ka (Does syntactic transformation emerge from communication?). *The 30th Annual Meeting of the Association for Natural Language Processing*. Kobe, Japan.

- **Kohei Kajikawa**, Ryo Yoshida, and Yohei Oseki. (2023). CCG-ni-yoru nihongo-bunshori-no modering (Modeling Japanese sentence processing with CCG). *The 29th Annual Meeting of the Association for Natural Language Processing*. Okinawa, Japan.
- Shinnosuke Isono\*, **Kohei Kajikawa\***, Ryo Yoshida\*, and Yohei Oseki. (2023). Kyokusho-shugi-ni douki-duke-rareta toogo-teki-kyooji-ni-motoduku gengo-model (A language model based on syntactic supervision motivated by Minimalism). *The 29th Annual Meeting of the Association for Natural Language Processing*. Okinawa, Japan. (\*=equal contribution)

## Honors, Awards, and Grants

- JSPS Doctoral Course Research Fellowship (DC1)
- Best Paper Award at CoNLL2024 (first-authored)
- Special Committee Award at NLP2024 (Domestic conference, first-authored)

## Experience

### Academic Experience

<b>Technical Staff</b>	National Institute for Japanese Language and Linguistics (NINJAL)
<i>Supervisor: Dr. Yusuke Kubota</i>	<i>June 2023 - Present</i>
• researching categorial grammar, human sentence processing, and efficient communication	
<b>Teaching Assistant</b>	The University of Tokyo
<i>Introduction to Natural Language Processing (Instructor: Dr. Yohei Oseki)</i>	<i>October 2024 - March 2025</i>
<b>Teaching Assistant</b>	The University of Tokyo
<i>Language of Humans and AI (Instructor: Dr. Yohei Oseki)</i>	<i>April 2024 - September 2024</i>
<b>Teaching Assistant</b>	The University of Tokyo
<i>Linguistics as Cognitive Science (Instructor: Dr. Yohei Oseki)</i>	<i>April 2023 - September 2023</i>

### Professional Experience

<b>Internship as a Software Engineer</b>	Jool Co., Ltd.
<i>Developing an educational support system in Haskell</i>	<i>June 2023 - Present</i>
<b>Internship as a Software Engineer</b>	pluszero Co., Ltd.
<i>Annotating corpora</i>	<i>September 2022 - March 2023</i>
<b>Teaching the Japanese language</b>	Shonan Institute of Technology High School
<i>Teaching modern Japanese, classical Japanese, and classical Chinese</i>	<i>April 2023 - Present</i>

## Skills

**Languages:** Japanese (Native), English (Fluent)  
**Programming skills:** Python, R, and Haskell