



# LU, YOUTAO

## Project Researcher

International Research Center for Neurointelligence  
University of Tokyo

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## Education

2022

**Ph.D. in Cognitive Science**  
**Brown University**, USA

- *2021 Peter D. Eimas Graduate Research Awardee*

2016

**B.A. in Economics**  
**B.A. in English Language and Literature**  
**Tsinghua University**, China

## Skills

### Data Analysis & Visualization

- Frequentist regression
- Bayesian regression
- ANOVA

### Research

- Behavioral experimentation (exp. with eye-tracking)
- Computational modelling
- Interview
- Survey

### Programming & Computer

- R/RStudio (intermediate)
- SPSS (intermediate)
- Python 3 (elementary)
- Microsoft Office (intermediate)

### Language

- Japanese (JLPT N2)
- English (full professional)
- Mandarin Chinese (native)

### University of Tokyo

Japan  
2022.7 –

### Brown University

USA  
2016.9 – 2022.5

### Tsinghua University

China  
2014.1 – 2016.6

### Kotoboo

Sci-comm NGO & Website  
2022.7 –

### Brown University

USA  
2017.1 – 2020.5

### Brown University

USA  
2018.9 – 2022.5

## Professional Experience

### Project Researcher, Baby Lab, IRCN

- Lead 3 research projects
- Conduct eye-tracking, EEG and ECG experiments
- Test and debug experiment program (Python)
- Analyze behavioral and physiological data of infants
- Present scientific findings verbally & in written words

### Graduate Research Fellow, Infant Research Lab

- Completed 4 research projects
- Conducted 10+ behavioral experiments, including 5 online experiments during pandemic
- Analyzed data of 400+ subjects speaking 3 languages
- Trained Markov chain NLP models
- Presented 5 talks/posters at international conferences
- Authored 1 manuscript + 1 conference proceeding

### Research Assistant, Language Development Lab

- Annotated 12 hours of parent-child verbal communications
- Presented 1 talk at an international conference
- Authored 1 manuscript

## Leadership Experience

### Technical Officer

- Create scientific communication comics and articles on language development with teammates
- Run the [website](#), available in 7 languages
- Analyze feedback from the readers

### Student Coordinator, linguistics seminar series

- Organized 40+ seminar talks
- Coordinated with 10+ invited speakers
- Managed \$6,000+ seminar funding

## Teaching Experience

### Graduate Teaching Assistant

- Subjects: Multivariate Statistics; Psycholinguistics
- 6 courses, 300+ students
- 3 guest lectures and 30+ discussion sessions
- Average rating: 4.32/5.00