



LU, YOUTAO

Project Researcher

International Research Center for Neurointelligence
University of Tokyo

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🌐 <https://youtaolu.net/>

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)

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](https://youtaolu.net/), 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

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