Wesley Orth

Contact Information

Department of Linguistics   worth@u.northwestern.edu
 2016 Sheridan Road, Evanston, IL, 60202   sites.northwestern.edu/wesleyorth

Education

Northwestern University   2017 -

 Ph.D. in Linguistics (Anticipated June 2023)
 Certificate in Cognitive Science
 Thesis: Active assignment of quantifier scope guides language processing
 Committee: Masaya Yoshida, Jeffrey Runner, Ming Xiang, Shayne Sloggett, Jennifer Cole

University of Rochester   2013-2017

 B.S. Brain and Cognitive Sciences & B.A. Linguistics
 Magna Cum Laude & Highest Distinction in Brain and Cognitive Science and Linguistics

Publications

Peer Reviewed

 Wesley Orth & Masaya Yoshida. Forthcoming. There is something missing in NP and moving in DP. Natural Language and Linguistic Theory.

 Wesley Orth, Masaya Yoshida & Shayne Sloggett. 2021. Negative polarity item (NPI) illusion is a quantification phenomenon. Journal of Experimental Psychology: Learning, Memory, and Cognition, 47(6), 906–947. https://doi.org/10.1037/xlm0000957

Proceedings Papers

 Wesley Orth & Masaya Yoshida. 2022. Processing profile for quantifiers in verb phrase ellipsis: Evidence for grammatical economy. Proceedings of the Linguistic Society of America (PLSA) 7(1). 5210. https://doi.org/10.3765/plsa.v7i1.5210

Manuscripts in Review

 Hyosik Kim, **Wesley Orth** & Masaya Yoshida. On incremental structure building in the processing of ellipsis

Manuscripts in Preparation

 Wesley Orth, Masaya Yoshida & Shayne Sloggett. PPI: An illusion of ungrammaticality
 Wesley Orth & Masaya Yoshida. Definiteness Effects in DP Contained Comparatives

Grants and Awards

External

National Science Foundation Doctoral Dissertation Research Improvement Grant: Active assignment of quantifier scope guides language processing. BCS-2116989. Co-PI with Masaya Yoshida. ($9,385.00).	2021-2023
CUNY Student Travel Grant. ($250).	2019

Northwestern University

Cognitive Science Travel Grant ($500)	2019
Data Science Fellowship ($12,500)	2017

University of Rochester

Professor's Choice Award for Undergraduate Research	2017
Discover Grant ($5,000)	2016
Research and Innovation Grant ($3,500)	2013

Presentations

Invited Talks

Wesley Orth. Introduction to the Maze Task. Presentation at The University of Chicago. — 2022

Wesley Orth. The Maze Task: Designing tasks for data quality and web-based social science research. Presentation at Northwestern University for *Northwestern Institute on Complex Systems: Data Science Nights* — 2022

Wesley Orth. Processing Polarity Illusions. Presentation at University of Chicago: *Language Evolution, Acquisition, and Processing Workshop (LEAP)* — 2022

Wesley Orth. The Maze Task. Presentation at Sungkyunkwan University. Seoul, Korea. — 2021

Refereed Conference Presentations

Wesley Orth & Masaya Yoshida. *If no quantifier can escape, the PPI is still read quickly.* Short presentation at the 28th Architectures and Mechanisms for Language Processing. AMLaP Conference. York. — 2022

Wesley Orth & Masaya Yoshida. *NPI & PPI illusion: A multi-methodological investigation.* Poster Presented at the annual Conference on Human Sentence Processing. Santa Cruz, CA. — 2022

Wesley Orth & Masaya Yoshida. *Processing profile of quantifiers in verb phrase ellipsis: evidence for grammatical economy.* Poster presented at Annual Meeting of the Linguistic Society of America. Washington D.C. — 2022

Wesley Orth & Masaya Yoshida. *Clashing constraints: Scope economy and scope in verb phrase ellipsis.* Poster presented at the 27th Architectures and Mechanisms for Language Processing. AMLaP Conference. Paris. — 2021

John Duff, Shayne Sloggett, Nicholas Van Handel, Kelsey Sasaki, Stephanie Rich, **Wesley Orth**, Pranav Anand, and Amanda Rysling. *A mighty Maze! Revisiting strategic underspecification using the Maze task.* California Meetup on Psycholinguistics 4. University of California, Irvine. — 2021

Wesley Orth & Masaya Yoshida. *PPI Illusion ignores binding but is facilitated by reactivation.* Poster presented at 34th CUNY Conference on Human Sentence Processing. University of Pennsylvania — 2021

Wesley Orth, Masaya Yoshida & Shayne Sloggett. *Polarity Illusions are Quantifier Illusions.* Poster Presented at the 26th Architectures and Mechanisms for Language Processing AMLaP Conference. Potsdam. — 2020

Wesley Orth *It isn't just NPI, is it?.* Poster presented at the 33rd Annual CUNY Conference on Human Sentence Processing. Amherst, MA. — 2020

Wesley Orth, Masaya Yoshida & Shayne Sloggett. *Tracking the time-course of NPI illusion: Why do only some appear online?.* Poster presented at the 33rd Annual CUNY Conference on Human Sentence Processing. Amherst, MA. — 2020

Wesley Orth, Masaya Yoshida & Shayne Sloggett. *Illusions of ungrammaticality: Evidence from PPI.* Poster presented at the 33rd Annual CUNY Conference on Human Sentence Processing. Amherst MA. — 2020

Shayne Sloggett, Nicholas Van Handel., Kelsey Sasaki, John Duff, Stephanie Rich, **Wesley Orth**, Pranav Anand, & Amanda Rysling. *"Ambiguous" isn't "underspecified": Evidence from the Maze task.* Poster presented at the 33rd Annual CUNY Conference on Human Sentence Processing. Amherst, MA. — 2020

Wesley Orth, Masaya Yoshida & Shayne Sloggett. *NPI illusion as scope processing.* Presentation at Chicago Area Sentence Processing Experiments and Research. Chicago, IL. — 2019

Wesley Orth, Masaya Yoshida & Shayne Sloggett. (2019). *NPI illusions are a problem of quantification.* Poster presented at the 32nd Annual CUNY Conference on Human Sentence Processing. Boulder, CO. — 2019

Wesley Orth, Amanda Pouge & Chigusa Kurumada. *The role of context and information in the interpretation of scalar adjectives.* Poster presented at the 30th Annual — 2017

CUNY Conference on Human Sentence Processing. Boston, MA.

Chigusa Kurumada, Joseph Plvan-Franke**, Wesley Orth** & Scott Grimm. *Communicative efficiency in language production and evolution: optional plural marking.* Poster presented at the 30th Annual CUNY Conference on Human Sentence Processing. Boston, MA.
    2017

Wesley Orth, Amanda Pouge & Chigusa Kurumada. *Contextual factors in child adjective interpretation.* Poster presented at the 31st Annual National Conference on Undergraduate Research. Memphis, TN
    2017

Teaching and Work Experience

Workshop Instructor at University of Illinois Chicago

Computational Linguistics: Linguistic Aspects in the Design of Virtual Assistants	Fall 2022

Instructor at Northwestern University

Supported Online Speech and Language Training	Spring 2022
Individual Instruction for Non-native Speakers of English	Fall 2018, Fall 2019, Winter 2019
	Spring 2020, Winter 2022

Teaching Assistant at Northwestern University

Introduction to Computational Linguistics	Spring 2021
Language and the Brain	Winter 2021
The Formal Analysis of Words and Sentences	Winter 2019, Spring 2019, Fall 2021
Foundations of Syntax	Fall 2020

Teaching Assistant & Workshop Leader at University of Rochester

Language Development	Spring 2017
The Art of Programming	Fall 2015, Spring 2016
Introduction to Linguistics	Spring 2015

Research at the University of Rochester

Research Assistant – Human Language Processing Lab: *PI – Florian Jaeger*	2016- 2017
Research Assistant – Kinder Lab: *PI – Chigusa Kurumada*	2016-2017

Counseling at the University of Rochester

Peer Career Advisor	2014-2017
Pre-college Councilor	2015

Service

Graduate Student Representative	2019-2022
Syntax Club Supervisor	2019-
Graduate Student Admissions Committee Member	2022
First Year Student Liaison	2018-2019

Additional Education

University of Potsdam   2021

Summer School on Statistical Methods for Linguistics and Psychology
Introduction to Bayesian Data Analysis

Skills

Technical

Python, R, HTML, JavaScript

Experimental

Eye-tracking (reading, visual world & pupillometry), Reading Tasks, Survey Design, Qualtrics

Statistics

Bayesian & Frequentist Statistics