

Joshua D. Weirick, PhD.
1412 Archibald St., Northfield, Minnesota, 55057
(269) 569-3486 ♦ joshweirick.id@gmail.com ♦ [Website](#) ♦ [LinkedIn](#)

AREAS OF RESEARCH SPECIALIZATION

Experimental linguistics, language comprehension, bilingualism agrammatic aphasia, language and aging

EDUCATION

- Ph.D., Linguistics August 2021
Purdue University, West Lafayette | Department of Linguistics
Dissertation Committee: Elaine J. Francis (chair), Alejandro Cuza, April Ginther, Ronnie Wilbur
Dissertation title: *Language Background and the Realization of the Information Structure Constraints on English Ditransitive Constructions: Evidence from Monolingual and Bilingual Speakers*
- M.A., Teaching English to Speakers of Other Languages May 2016
Central Michigan University, Mt. Pleasant | Department of English
Master's committee: Tracy S. Davis (chair), Dan Lawson, William Spruiell
Master's project title: *Writing center consultants' patterns of response in asynchronous online sessions*
- B.S., English (Applied Linguistics) May 2014
Central Michigan University, Mt. Pleasant | Department of English
Cum laude

EMPLOYMENT

- Research Scientist 2023-Present
Cascade Reading
Minneapolis, Minnesota
- T32 post-doctoral fellow 2021-2023
National Institute on Deafness and Other Communication Disorders
Purdue University, West Lafayette | Department of Speech, Language, and Hearing Sciences
Aphasia Research Laboratory (Lee)

RESEARCH ASSISTANTSHIPS

- Research assistant to Alejandro Cuza January-May 2019
Second Language Acquisition and Bilingualism Research Lab, Purdue University, West Lafayette
Project: Acquisition of Spanish bare nominals in Spanish/English bilingual children
Duties: Created experimental stimuli, assisted in data collection
- Research Assistant to Elaine Francis August 2017- August 2018
Experimental Linguistics Lab, Purdue University, West Lafayette
Project 1: Causative motion event encoding in L2 English
Duties: Edited experiment in E-Prime, conducted on-site data collection
Project 2: Gradient Acceptability and Linguistic Theory
Duties: Managed references, organized bibliographic database
- Research Assistant to Olga Dmitrieva August 2017-December 2017
Phonetics and Phonology Lab, Purdue University, West Lafayette

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Project: Language attitudes effect perceived intelligibility, proficiency, and accentedness of non-native speech

Duties: Contributed to experimental design, prepared experimental stimuli

PUBLICATIONS

Refereed Publications

- Weirick, J.D., & Francis, E.J. (under review). A verb appeared that usually doesn't: Effects of predicate type and givenness on the acceptability of relative clause extraposition in English.
- Lee, J. & Weirick, J.D. (under review). Incremental sentence production in aging: Effects of lexical accessibility.
- Sheu, V., Zhou, A., Preston, K., & Weirick, J.D. (Eds.). (2024). *Variation and Development in Linguistics from Interdisciplinary Perspectives: Studies in Second Language Acquisition, Sociolinguistics, and Syntax*. Newcastle upon Tyne, United Kingdom: Cambridge Scholars Publishing.
- Lewandowski, A. G., Weirick, J. D., Lewandowski, C. A., & Spector, J. (2020). Phineas Gage: A Neuropsychological Perspective of a Historical Case Study. In W. B. Barr & L. A. Bieliauskas (Eds.), *The Oxford Handbook of History of Clinical Neuropsychology*. Oxford Handbooks Online. <https://doi.org/10.1093/oxfordhb/9780199765683.013.21>
- Hutchinson, A.E., Weirick, J.D., Ahn, S., & Dmitrieva, O. (2019). Language attitudes affect perceived intelligibility, proficiency, and accentedness of non-native speech. *Proceedings of the 19th International Congress of Phonetic Sciences*, Melbourne, Australia.
- Weirick, J.D., Davis, T., & Lawson, D. (2017). Writer L1/L2 Status and Asynchronous Online Writing Center Feedback: Consultant Response Patterns. *The Learning Assistance Review (TLAR)*, 22(2), 9-38

Other Publications

- Weirick, J.D. (2021). *Language Background and the Realization of the Information Structure Constraints on English Ditransitive Constructions: Evidence from Monolingual and Bilingual Speakers*. (Doctoral dissertation). Hammer Research Repository (hammer.purdue.edu). Purdue University, West Lafayette.
- Kennell, V., Elliot, A., & Weirick, J.D. (2017) Tinkering with Comments: Tailoring Practice by Spying on Written Artifacts. *Purdue Writing Lab/Purdue OWL Presentations*. Paper 15. <https://docs.lib.purdue.edu/writinglabpres/15>

Manuscripts in Preparation

- Weirick, J.D. & Lee, J. (in prep). Incremental processing of construction-specific information structure in aphasia and aging
- Weirick, J.D., & Francis, E.J. (in prep). Language background and task type modulate givenness effects in the processing of English ditransitive constructions.

CONFERENCE PRESENTATIONS

- Weirick, J.D. & Lee, J. (November 2023). Incremental Processing and Aging: Older Adults Show Sensitivity to the Discourse Constraints on Dative Sentences. Poster at the *2023 American Speech and Hearing Association Convention*. Boston, MA. (accepted)
- Weirick, J.D. & Lee, J. (October 2023). Discourse-Syntax Integration in Aging and Aphasia: Evidence from Self-Paced Reading. Poster at the *61st Annual Meeting of the Academy of Aphasia*. Reading, England, UK.

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- Seye, N.C., Weirick, J.D., van Boxtel, W.S., & Lee, J. (April 2023). The influence of sentence production training on speech fluency in aphasia. Poster at the *2023 Spring Undergraduate Research Conference*. West Lafayette, IN.
- Plucinsky, N.M., Weirick, J.D., & Lee, J. (April 2023). Self-Paced Reading and Givenness Effects. Poster at the *2023 Spring Undergraduate Research Conference*. West Lafayette, IN.
- Weirick, J.D. & Lee, J. (October 2022). Language production across the lifespan: The influence of aging and lexical accessibility. Poster at the *60th Annual Meeting of the Academy of Aphasia*. Philadelphia, PA.
- Weirick, J.D. & Lee, J. (May 2022). The influence of aging and lexical accessibility on passive sentence production. Poster at the *51st Clinical Aphasiology Conference*. Wrightsville Beach, NC. Poster available [here](#).
- Weirick, J.D. & Francis, E.J. (March 2021). Monolingual and bilingual processing at the syntax-discourse interface: Evidence from the English dative alternation. Poster at the *34th Annual CUNY Conference on Human Sentence Processing* (held virtually due to COVID19). Abstract available [here](#).
- Weirick, J.D. & Francis, E.J. (July 2020). Effects of verb bias and information order on the acceptability of Heavy NP Shift in English. Talk at the *United Kingdom Cognitive Linguistics Conference* (held virtually due to COVID19).
- Weirick, J.D. & Francis, E.J. (July 2020). Acceptability of relative clause extraposition in English: Effects of predicate type and givenness. Poster at the *United Kingdom Cognitive Linguistics Conference* (held virtually due to COVID19).
- Weirick, J.D. & Francis, E.J. (March 2020). Acceptability of relative clause extraposition in English: Effects of predicate type and givenness. Poster at the *33rd Annual CUNY Conference on Human Sentence Processing* (held virtually due to COVID19). Poster available [here](#).
- Hutchinson, A.E., Weirick, J.D., Ahn, S., & Dmitrieva, O. (August 2019). Language attitudes effect perceived intelligibility, proficiency, and accentedness of non-native speech. Poster at the *International Congress of Phonetic Sciences* conference. Melbourne, Australia.
- Weirick, J.D. & Francis, E.J. (July 2019). Effects of verb type and discourse status on the acceptability of relative clause extraposition in English. Poster at the Linguistics Society of America Summer Linguistics Institute. Davis, CA. Poster available here: osf.io/m4u6y
- Zheng, C. C., Weirick, J.D., & Francis, E.J. (March 2019). Effects of frequency and simplicity in L2 English causative motion production. Poster at the *CUNY Conference on Human Sentence Processing*. Boulder, CO.
- Weirick, J.D. & Francis, E.J. (March 2019). A verb appeared that usually doesn't: Effects of predicate type and discourse status on relative clause extraposition in English. Talk at the *Purdue Linguistics, Literature and Second Language Studies Conference*. West Lafayette, IN.
- Zheng, C. C., Weirick, J.D., & Francis, E.J. (March 2019). How do learners choose a linguistic form? Evidence from causative motion production in L2 English. Talk at the *American Association for Applied Linguistics* annual conference. Atlanta, GA.
- Zheng, C. C., & Weirick, J.D. (March 2018). How do speakers choose a linguistic form? The easier the better. Talk at the *Purdue Linguistics, Literature, and Second Language Studies Conference*. West Lafayette, IN.
- Kennell, V., Elliot, A., & Weirick, J.D. (October 2017). Tinkering with Comments: Tailoring Practice by Spying on Written Artifacts. Talk at the *International Writing Centers Association* annual conference. Chicago, IL.
- Davis, T.S. & Weirick, J.D. (March 2017). An analysis of changes in writing center tutors' online commenting styles over time. Talk at the *American Association for Applied Linguistics* annual conference. Portland, OR.

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- Weirick, J.D., & Davis, T.S. (April 2016). 'I sometimes use clarity for self-defense:' an analysis of Writing Center tutors' asynchronous online feedback. Talk at the *American Association for Applied Linguistics* annual conference. Orlando, FL.
- Riddle, Z., Shepard, S., & Weirick, J.D. (March 2016). Preparing to Enter the Virtual Void: Empirical research on asynchronous online consulting and implications for consultant training. Talk at the *East Central Writing Centers Association* annual conference. Alliance, OH.
- Lawson, D., Davis, T.S., & Weirick, J.D. (October 2015). Examining the feedback patterns in asynchronous online writing center sessions. Talk at the *International Writing Center Association* annual conference. Pittsburgh, PA.
- Weirick, J.D. & Hubbard, J. (April 2015). Examining feedback differences in native and non-native English speaker online sessions. Talk at the *East Central Writing Center Association* annual conference. South bend, IN.
- Weirick, J.D. & Kioussis, M. (October 2014). The other half of the equation: The use of concepts from genre-based pedagogy in writing center sessions with ESL students. Talk at the *Michigan Writing Centers Association* annual conference. Lansing, MI.

GUEST LECTURES & TALKS

- Weirick, J.D. (February 2023). Incremental sentence processing in aging: Effects of lexical accessibility. Talk given as part of the Department of Speech, Language and Hearing Sciences (SLHS) Weekly Seminar. West Lafayette, IN.
- Weirick, J.D. (March 2022). Experimental Syntax and Language Processing. Guest lecture at Purdue University, LING 598: Research Methods in Linguistics. West Lafayette, IN.
- Weirick, J.D. (December 2021). Other approaches to representing syntax. Guest lecture at Purdue University, LING 321: Introduction to Syntax and semantics. West Lafayette, IN.
- Weirick, J.D. (November 2020). Effects of information structure and verb bias on the English dative alternation: An internet-based experimental study. Talk given as part of the LING Lunch lecture series, sponsored by Purdue Linguistics Department. West Lafayette, IN.
- Weirick, J.D. (October 2020). Revisited: Effects of verb bias and information order on the acceptability of heavy NP shift in English. Talk given at Experimental Linguistics Lab meeting. West Lafayette, IN.
- Weirick, J.D. (September 2020). The Interface Between Syntax and Information Structure in Second Language Acquisition: Evidence from the English Dative Alternation. Talk given at Experimental Linguistics Lab meeting. West Lafayette, IN.
- Weirick, J.D. & Hutchinson, A.E. (May 2019). Citation Styles and Practice. Guest lecture at Albert-Ludwigs-Universität Freiburg, Undergraduate Academic Writing (Basics). Freiburg im Breisgau, Germany.
- Weirick, J.D. (March 2019). Writer L1/L2 status and asynchronous online writing center feedback: What constitutes effective response? Talk given at meeting titled "Helping students we'll never meet to develop as writers: Improving student writers through asynchronous feedback?". Lethbridge College, Alberta.

GRANTS & FELLOWSHIPS

T32, National Institute on Deafness and Other Communication Disorders	2021
GSOGA Grant, on behalf of Purdue Linguistics Association	2020
Purdue Graduate Student Government Travel Award	2020
Project title: Effects of verb type and givenness on relative clause extraposition in English	
Purdue Research Foundation Research Grant Fellowship	2019

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Project title: The interface between grammar and discourse in second language acquisition: Evidence from English constituent order alternations	
Purdue Graduate Student Government Travel Award	2019
Project title: Effects of frequency and structural complexity in second language use	
Purdue College of Liberal Arts PROMISE research award	2018
Project title: Examining the effect of discourse status on relative clause ordering in English	
Purdue College of Liberal Arts PROMISE travel award	2017
Project title: An analysis of changes in writing center tutors' online commenting styles over time	
Purdue University Graduate School Lynn Fellowship	2016

TEACHING EXPERIENCE

Instructor, Introduction to Linguistics (LING201/LC261) Purdue University, Department of Linguistics	August-December 2020
Instructor, Introduction to Linguistics (LING201/ENG227) Purdue University, Department of Linguistics	January-May 2019
Teaching Assistant, Introduction to Linguistics (LING201/ENG227) Purdue University, Department of Linguistics	August-December 2018
Teaching Assistant, Intermediate Speaking & Listening (ELI181)* Central Michigan University, English Language Institute	January-May 2016
Teaching Assistant, Advanced Academic Writing (ELI184)* Central Michigan University, English Language Institute	January-May 2016
Graduate Assistant & Consultant (tutor), CMU Writing Center Central Michigan University, Department of English	August 2014-May 2016
Undergraduate Consultant (tutor), CMU Writing Center Central Michigan University, Department of English	August 2013-May 2014
Private Tutor in Introductory English Linguistics	August-December 2014

*completed as part of M.A. TESOL program practicum requirement

SKILLS

Software (statistical, experimental, bibliographic, web design)

SAS Analytics Software (1 year)

Linear mixed effects models, Tukey multiple comparisons tests, data visualization

R (5 years)

Data visualization, linear mixed effects modeling, mixed effects ordinal regression, data processing, text processing, large datasets

Internet Based Experiments (Ibex) (Drummond, 2016)

AcceptabilityJudgement, DashedSentence (self-paced reading), Message, Question, and Form controllers, randomization using shuffle and rshuffle, Latin Squares designs

Nvivo Qualitative Data Analysis Software

Implementing coding scheme using Nodes, coding text files for analysis, aggregating nodes to produce frequency tables, calculating interrater reliability using Kappa coefficient

Qualtrics Online Survey Software

Display logic, media embedding (.wav files and pictures), randomization and pseudo randomization

E-Prime

Implementing experiment structure, editing stimuli display

Experiment Builder (SR Research)

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Stimuli presentation, data viewer
Gorilla Experiment Builder
Stimuli presentation
Praat Speech Analysis Software (Boersma & Weenink, 2016)
Formant analysis, annotation using TextGrids, normalizing sound files for intensity
Zotero Reference Management Software
Shared libraries, Microsoft Word integration (reference and bibliography generation), meta-data annotation
WordPress Web Design Software
Basic website design.

Languages

English (native speaker)
German (classroom study)
Arabic (classroom study)
Ojibwe (classroom study - structural knowledge only)
Old English (classroom study - structural knowledge only)

MENTORING

Undergraduate RAs in the Purdue Aphasia Research Lab	2021-present
Nadia C. Seye: Aphasia type classification, linguistic theory	
Michael Briton Linge: Experimental design, Gorilla, R	
Elle Plucinsky: Gorilla, experimental design, linguistic theory	
Emily Clark: experimental design, linguistic theory	
Graduate & undergraduate RAs in the Purdue Experimental Linguistics Lab	2018-2021
Vanessa Sheu: Ibex experimental software, R, statistical modeling	
Zuyang Jerry Zhang: Praat acoustic analysis software, human subjects data collection	
Jiaqiao Cecilia Xiao: Human subjects data collection	
Ben Riggs: R (tidyverse: filter, join, mutate, etc.), statistical modeling	
Introduction to Linguistics graduate TAs	2020-2021
Hatam Tamimi: Course design, Brightspace basics, assessment design	

UNIVERSITY SERVICE

Course Co-Coordinator, Introduction to Linguistics	2020-2021
Coordinated TA meetings, managed materials development, designed assessments	
Treasurer, Purdue Linguistics Association	2020-2021
Created annual budget, logged expenses, co-wrote grant applications	
Abstract Reviewer, Purdue Linguistics Symposium	2020
Treasurer, Purdue Linguistics Association	2019-2020
Created annual budget, logged expenses, co-wrote grant applications	
Moderator, Purdue Linguistics, Literature, and Second Language Studies Conference	2019
Interim Treasurer, Purdue Graduate Student Government	2018-2019
Assisted graduate students with expense documentation for travel grants, processed grant reimbursements, collaborated with President to allocate ~\$300,000 in annual budget	
Chief of Staff, Purdue Graduate Student Government	2018-2019
Acted as interim treasurer, lead search for permanent treasurer, supervised	

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committee chairpersons, developed position documentation, coordinated elections	
Poster Presenter, Next Generation Scholars	2017
Abstract Reviewer, Purdue Languages and Cultures Conference	2017
Volunteer, Purdue Languages and Cultures Conference	2017
Communications Officer, Purdue Linguistics Association	2017-2018
Designed advertising materials, distributed advertising materials	
Chair, Purdue Graduate Student Government Life Team	2017-2018
Managed team of ten-fifteen graduate students, oversaw event organization, developed position documentation	
Senator representing the Linguistics Department, Purdue Graduate Student Senate	2016-2017
Attended Graduate Student Senate meetings, served on social committee	
Writing Center session note coordinator	2014-2015
Solicited assignment sheets and syllabi from first-year English instructors, organized session notes for students enrolled in weekly Writing Center sessions	
Conversation Partner, CMU English Language Institute	2013-2014
Summer Pen Pal, CMU English Language Institute	2013-2014
Member, English as a Second Language Association (ESLA)	2013-2010
Tutor, CMU English Language Institute	2013-2014