Lucy Hall Hartley

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RESEARCH INTERESTS

Adult Language Acquisition, Cross-linguistic Influences, Language Universals, Language Evolution, Miniature Language Learning, Computational Models of Language Learning, Psycholinguistics

EDUCATION

University of Arizona — Tucson, AZ
Ph.D. in Linguistics — Expected 2022

University of Arizona — Tucson, AZ
M.A. in Linguistics — 2019

Vanderbilt University — Nashville, TN
B.A. in French and Neuroscience — 2017

PROFESSIONAL AND RESEARCH EXPERIENCE

University of Arizona — Tucson, AZ
Research Associate in Data Analytics — 2021-2022
- Analyze data from the Career Pathways annual survey for the College of Social and Behavioral Sciences
- Clean survey data and create reports using Stata

FindingFive Corporation — Remote
Data Scientist — 2021
- Built regression models to understand how long it takes researchers to create studies on FindingFive
- Data extraction and cleaning using MongoDB and Python

Researcher Support Lead — 2020-2021
- Helped researchers implement their study designs on the FindingFive web platform
- Answered researcher coding questions
- Conceptual development of new features

University of Arizona — Tucson, AZ
Research Assistant for Dr. Masha Fedzechkina — 2018-2020
- Created audiovisual stimuli using Python, Praat and Photoshop
- Ran experiments through crowdsourcing platforms Amazon Mechanical Turk and Prolific
- Performed statistical analysis on data using R

Vanderbilt University — Nashville, TN
Undergraduate Research Assistant for Dr. Mark Wallace — 2015-2017
- Created audiovisual stimuli using AV equipment, Adobe Suite and MATLAB
- Implemented eye-tracking experiments on an Eyelink eye-tracker using Experiment Builder and E-Prime
- Administered experiments to adults and children

Publications

1. M. Fedzechkina, **L. Hall Hartley**, and G. Roberts, "Social Biases can lead to less communicatively efficient languages" in *Language Acquisition*, in press

2. Y. Zhao, J.G. Ngui, **L. Hall Hartley**, and S. Bethard, "Do pretrained transformers infer telicity like humans?" in *Proceedings of the 25th Conference on Computational Natural Language Learning*, 2021, pp. 72-81

3. **L. Hall Hartley** and M. Fedzechkina, "Learners' bias to balance production effort against message uncertainty is independent of their native language" in *Proceedings of the 42nd Annual Conference of the Cognitive Science Society*, 2020, pp. 2341-2347

Conference Presentations

1. **L. Hall Hartley** and M. Fedzechkina, "Preferences for communicative efficiency in miniature languages are independent of learners' L1s", *short talk presented at CUNY Conference on Human Sentence Processing*, March 2021

2. **L. Hall Hartley** and M. Fedzechkina, "Speakers balance production effort against message uncertainty: Evidence from cross-linguistic artificial language learning", *talk presented at Architectures and Mechanisms for Language Processing*, September 2020

Invited Talks

1. **L. Hall Hartley**, "Investigating Crosslinguistic Influences in a Miniature Language Paradigm", *CamPAL Group Talk at University of Cambridge*, November 2021

Teaching

- **Stand-alone Instructor** at University of Arizona — Summer 2022
  Introduction to Linguistics (LING 201)
- **Stand-alone Instructor** at University of Arizona — Summer 2021
  Mathematical Approaches to Language (LING 123)
- **Stand-alone Instructor** at University of Arizona — Spring 2021
  The Structure and Meaning of Words (LING 322)
- **Teaching Assistant** at University of Arizona — Fall 2020
  Language, Mind, and Brain (LING211)
- **Stand-alone Instructor** at University of Arizona — Summer 2020
  Psychology of Language Online (LING432)
- **Teaching Assistant** at University of Arizona — Spring 2020, Fall 2019
  Mathematical Approaches to Language (LING123)
- **Stand-alone Instructor** at University of Arizona — Winter 2019, Spring 2019, Summer 2018
  Language Development Online (LING341)
- **Stand-alone Instructor** at University of Arizona — Winter 2018
  Language in the World Online (LING150)
- **Teaching Assistant** at University of Arizona — Fall 2018
  Psychology of Language (LING432)
- **Teaching Assistant** at University of Arizona — Spring 2018
  Language Development (LING341)
- **Teaching Assistant** at University of Arizona — Spring 2018
  Bilingual Mind (LING440)
- **Teaching Assistant** at University of Arizona — Fall 2017
  Introduction to Linguistics (LING201)
- **Section Instructor** at University of Arizona — Fall 2017
  Language in the World (LING150)

Skills

- **Programming:** MATLAB, Python
- **Data Analysis:** R, Excel, Stata
- **Data Management:** MongoDB, mySQL
- **Experiments:** FindingFive, Praat, MTurk, Prolific, DMDX, Experiment Builder, E-Prime
- **Other:** LaTeX, GitHub, Adobe Photoshop

Languages

- **English:** native speaker
- **French:** fluent
- **Korean:** basic
- **German:** research knowledge

Awards

- SBSRI Dissertation Research Grant   2021
  $1950.00

Service

- LingCircle President   2021
  President of the Linguistics graduate student organization. Bring student concerns to faculty and coordinate events for students.
- LingCircle Vice President   2020
  Assisted the President of the Linguistics graduate student organization.
- Arizona Linguistics Circle Committee Member   2020;2021
  Helped organize the Linguistics graduate student-hosted conference.
- GPSC Travel Grant Judge   2018-2019
  Served as a judge for the Graduate & Professional Student Council travel grants.