



Alandi Bates

PhD Student

- 6th of October 2020
- 2211 Social Science Plaza B
University of California
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- <http://sites.uci.edu/alandibates>
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About me

I am a 4th year Ph.D. student in the Department of Language Science at the University of California, Irvine. For the past seven years, I have worked in Dr. Lisa Pearl's Computation of Language (CoLa) Lab. My research focuses on (i) the learning biases children have, (ii) the strategies they use, (iii) the hypotheses they form, and (iv) the underlying representations they use to learn about and generate language.

Skills

Java: 2.5

MatLab: 4

R: 4

Python: 5.8

Syntactic annotation: 5.9

(*)[The skill scale is from 0 (Fundamental Awareness) to 6 (Expert).]

Research Interests

Language Acquisition

My research interests include computational models of language acquisition, acquisition of syntactic category and rule operations, linguistic input differences across socioeconomic status (SES), and pronoun resolution which requires the integration of complex linguistic knowledge spanning syntax, semantics, and pragmatics.

Professional Positions

- since 2017 Teacher Assistant Departments of Cognitive Sciences/Language Science, UCI
- 2015-2017 Syntactic Annotator Computation of Language (CoLa) Laboratory, UCI

Education

- since 2017 Ph.D. student in Cognitive Sciences and Language Science University of California, Irvine
Language Acquisition
- 2017 B.A. Psychology cum laude University of California, Irvine

Languages

- Natural: English (Native), Spanish (advanced reading and speaking)
- Computer: Python, \LaTeX , html, MATLAB

Selected Awards

Undergraduate Research

- 2016 Summer Undergraduate Research Program (SURP) Fellow
Learning abstract linguistic categories: Formally measuring knowledge of "VERB" in a young child's speech.
- 2014 Undergraduate Research Opportunities Program (UROP) Fellow
Juror Decision Making: Extricating *Normative* from *Informational* influence on individual juror voting behavior.

Publications

- 2019 43rd Boston University Conference on Language Development BUCLD
Bates, A., & Pearl, L. (2019). *What do you think that happens? A quantitative and cognitive modeling analysis of linguistic evidence across socioeconomic status for learning syntactic islands. In Proceedings of the 43rd Boston University Conference on Language Development. Cascadia Press.
- 2018 44th Annual Meeting of the Berkeley Linguistics Society BLS44
Bates, A., Pearl, L., and Braunwald, L. (2018). I can believe it: Quantitative evidence for closed-class category knowledge in an English-speaking 20- to 24-month-old child. Proceedings of the Berkeley Linguistics Society, Berkeley, CA: BLS.
- 2020 Manuscript Under Review Developmental Science
Bates, A. & Pearl, L. Under review. Identifying if input differences are developmentally meaningful: A look at complex syntactic input across socio-economic status. Developmental Science.



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Presentations and Posters

Peer-reviewed Conference Presentations

- | | | |
|------|---|----------|
| 2018 | 44th Annual Meeting of the Berkeley Linguistics Society | BLS44 |
| | I can believe it: Quantitative evidence for closed-class category knowledge in an English-speaking 20- to 24-month-old child. | |
| 2017 | Undergraduate Research Opportunities Symposium | UROP-UCI |
| | Learning abstract linguistic categories: Formally measuring knowledge of "VERB" in a young child's speech. | |

Other Presentations

- | | | |
|------|--|----------------------------|
| 2019 | Concentration Exam | Dept of Cognitive Sciences |
| | Pronoun resolution, socioeconomic status, and the impact of input disparities on linguistic developmental outcomes in children | |

Guest Lecture

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|------|--|-----|
| 2019 | Language Science 51: Acquisition of Language | UCI |
| | Language in special populations II | |
| 2019 | Linguistics 3: Introduction to Linguistics. | UCI |
| | Patterns of Sounds: Phonemes and Allophones | |
| 2018 | Psychology 146MW: Writing about memory. | UCI |
| | How to improve your writing | |
| 2018 | Linguistics 2: Discover Language. | UCI |
| | Language and the Brain | |

Posters

- | | |
|------|---|
| 2019 | 43rd Boston University Conference on Language Development |
| | What do you think that happens? A quantitative and cognitive modeling analysis of linguistic evidence across socioeconomic status for learning syntactic islands. |
| 2014 | Undergraduate Research Opportunities Program (UROP) Fellow |
| | Juror Decision Making: Extricating <i>Normative</i> from <i>Informational</i> influence on individual juror voting behavior. |

Teaching: UCI

Instructor

Summer 2020 Language Science 10: Intro to Phonology

Teacher Assistant

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|---------------------|--|
| Spring 2020 | International Studies 104BW: Global Gender and Sexuality |
| Fall 2019 | Language Science 51: Acquisition of Language I |
| Spring/Winter 2019 | Linguistics 3: Introduction to Linguistics |
| Fall 2018 | Linguistics 51: Acquisition of Language |
| Spring/Fall 2018/17 | Linguistics 2: Discover Language |
| Winter 2018 | Psychology 146MW: Writing about memory |

Professional Service

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|------|---|-----------|
| 2019 | Moderator | NACLO |
| | North American Computational Linguistics Olympiad | |
| 2018 | Moderator | NACLO |
| | North American Computational Linguistics Olympiad | |
| 2018 | Reviewer | SoCaL NLP |
| | Southern California Natural Language Processing Symposium | |