

JACK DEMPSEY

PHD STUDENT & PSYCHOLINGUIST – UNIVERSITY OF ILLINOIS AT URBANA-CHAMPAIGN
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Education

PhD, Educational Psychology

Expected May 2022

Cognitive Science of Teaching and Learning
University of Illinois at Urbana-Champaign

Dissertation: *An eye-tracking investigation into the role of contextual biases in the resolution of attachment ambiguities*

M.S., Educational Psychology

August 2019

Cognitive Science of Teaching and Learning
University of Illinois at Urbana-Champaign

Thesis: *Convergent probabilistic cues do not trigger syntactic adaptation in relative clause garden-path constructions*

B.A., Linguistics with Departmental Distinction

December 2015

Minors: French; German

University of Illinois at Urbana-Champaign

Thesis: *Misrepresentations of plurality in later processing: Evidence from self-paced reading*

Languages in order of proficiency: English (native), French, German, Italian

Publications

Dempsey, J. & Brehm, L. (2020). Can propositional biases modulate syntactic repair processes? Insights from preceding comprehension questions. *Journal of Cognitive Psychology*, 1-10.

Dempsey, J., Liu, Q., & Christianson, K. (2020). Convergent probabilistic cues do not trigger syntactic adaptation: Evidence from self-paced reading. *Journal of Experimental Psychology: Learning, Memory, and Cognition*, 46(10), 1906-1921.

Submitted/In Prep

Dempsey, J. & Christianson, K. (under revision). Referencing context in sentence processing: A Bayesian replication of the Interactive Mental Models Hypothesis.

Dempsey, J., Christianson, K., & Tanner, D. (under revision). Misretrieval but not misrepresentation: A feature misbinding account of post-interpretive effects in number attraction.

Dempsey, J., Liu, Q., & Christianson, K. (submitted). Online and offline for a satiation account of syntactic adaptation.

Stoops, A., **Dempsey, J.**, & Christianson, K. (submitted). Syntactic fit modulates parafoveal morphological processing: Eye-tracking evidence from Russian.

Research Positions

Cascade Reading, Inc. – Research Director

March 2021-Present

Dr. Julie van Dyke, Michael Gorman, and Mark Lacey

Remote – Haskins Laboratories

Sandia National Laboratories Project – Graduate Research Assistant Drs. Kiel Christianson, Mallory Stites, & Nigel Bosch University of Illinois, Departments of Educational Psychology & Informatics	January 2021-Present
EPSY Psycholinguistics Lab - Graduate Research Assistant Dr. Kiel Christianson University of Illinois, Department of Educational Psychology	August 2017-Present
WHIMC Project - Graduate Research Assistant Dr. H. Chad Lane - https://whimc.education.illinois.edu/ University of Illinois, Department of Educational Psychology	August 2020-Present
Move2Learn Project - Graduate Research Assistant Dr. H. Chad Lane - https://www.move2learn.education.ed.ac.uk/ University of Illinois, Department of Educational Psychology	May 2018-August 2020
Center for Language Science - Lab Manager The Pennsylvania State University	August 2016-August 2017
Conversation Lab - Research Assistant Dr. Sarah Brown-Schmidt University of Illinois, Department of Psychology	June 2015-June 2016
Electrophysiology and Language Processing Lab - Research Assistant Dr. Darren Tanner University of Illinois, Department of Linguistics	August 2014-January 2016

Teaching Positions

EPSY 201 (Educational Psychology) Teaching Assistant Department of Educational Psychology, University of Illinois	August 2020-May 2021
ACCY 593 (Professional Soft Skills) English Writing & Communications Tutor Department of Accountancy, University of Illinois	August 2019-May 2021

Invited Talks

University of Illinois Second Language Acquisition & Teacher Education Workshop “A practical introduction to Bayesian mixed models for psycholinguistics.”	August 2021
University of Illinois Exp-Ling Group “Programming psycholinguistics experiments in (New) Ibex Farm”	April 2021
University of California-Riverside – LING 162/PSYC 128: Language and the Brain “Misinterpretations & good-enough processing: A road down the garden path.”	November 2020
University of Illinois Second Language Acquisition & Teacher Education Workshop “Ibex Farm & Mechanical Turk”	December 2019

Conference Presentations

- Davis, N., **Dempsey, J.**, & Foutz, S. *Qualitative analysis of exhibit interactions between parents and children*. Poster presented at the 2021 Visitor Studies Association Annual Conference, Virtual, July 2021
- Susberry, V., **Dempsey, J.**, & Christianson, K. *Accent bias and racial accents in academic comprehension*. Talk given at the 13th Annual Illinois Language and Linguistics Society Conference, University of Illinois at Urbana-Champaign, Virtual, February 2021
- Dempsey, J.** & Christianson, K. *Does familiarity or repair drive syntactic adaptation?* Poster presented at the 61st Annual Psychonomics Society Meeting, Virtual, November 2020
- Dempsey, J.**, Liu, Q., & Christianson, K. *Structural frequency and exposure: Don't raise your expectations*. Poster presented at the 26th Architectures and Mechanisms for Language Processing (AMLaP) Conference, Virtual, September 2020
- Dempsey, J.**, Barlaz, M., & Christianson, K. *Using Principal Component Analysis to Simplify Eye-Tracking Models*. Talk given at the 12th Annual Illinois Language and Linguistics Society Conference, University of Illinois at Urbana-Champaign, Urbana, IL, February 2020
- Dempsey, J.**, Liu, Q., & Christianson, K. *Expect the unexpected: Syntactic adaptation and the rise of infrequency*. Poster presented at the 60th Annual Psychonomics Society Meeting, Montréal, QC, Canada, November 2019
- Dempsey, J.**, Liu, Q., & Christianson, K. *Probabilistic cues do not rapidly facilitate prediction of relative-clause garden-path constructions*. Talk given at Psycholinguistics in Iceland: Parsing and Prediction, University of Iceland, Reykjavik, Iceland, June 2019
- Dempsey, J.**, Liu, Q., & Christianson, K. *Convergent probabilistic cues do not trigger syntactic adaptation*. Poster presented at the 32nd CUNY Conference on Human Sentence Processing, University of Colorado-Boulder, Boulder, CO, March 2019
- Tanner, D., **Dempsey, J.**, & Christianson, K. *Does attraction lead to systematic misinterpretation of NP number? Probably not*. Poster presented at the 31st CUNY Conference on Human Sentence Processing, University of California-Davis, Davis, CA, March 2018
- Winter, S.B., Rizio, A.A., **Dempsey, J.**, Oktar, K., Diaz, M.T. *White Matter Integrity & Language Production in Aging*. Poster presented at the Society for Neurobiology of Language, Baltimore, M.D., November 2017
- Dempsey, J.** & Brehm, L. *Biased reading & neutral representations: How presentation order of comprehension questions alters reading strategies without influencing final representations*. Poster presented at the 58th Annual Psychonomics Society Meeting, Vancouver, BC, Canada, November 2017
- Dempsey, J.**, Christianson, K., & Tanner, D. *Misrepresentations of plurality in late processing: Evidence from self-paced reading*. Poster presented at the 29th CUNY Conference on Human Sentence Processing, University of Florida, Gainesville, FL, March 2016 & at the 8th Annual Illinois Language and Linguistics Society Conference, University of Illinois at Urbana-Champaign, Urbana, IL, April 2016
- Ross, D., Grunow, R., Lac, K., Jabbour, G., & **Dempsey, J.** *Serial Verb Constructions: A distributional and typological perspective*. Talk given at the 7th Annual Illinois Language and Linguistics Society Conference, University of Illinois at Urbana-Champaign, Urbana, IL, April 2015

Special Courses

Fourth Summer School on Statistical Methods for Linguistics and Psychology September 2020
Introduction to Bayesian Regression Modeling with brms – Taught by Dr. Shravan Vasishth

Grants, Fellowships, Awards & Honors

Hardie Dissertation Award - \$1,999 April 2021
An eye-tracking investigation into the role of contextual biases in the resolution of attachment ambiguities
College of Education, University of Illinois at Urbana-Champaign

Campus Research Board Grant - \$22,514 August 2019-May 2020
Too good to be true? A critical test of rapid syntactic adaptation
PI: Dr. Kiel Christianson
Campus Research Board, University of Illinois at Urbana-Champaign

Hardie Conference Travel Award November 2019
Travel to Montréal, QC, Canada for the 60th Psychonomics Society Annual Meeting
College of Education, University of Illinois at Urbana-Champaign

Hardie Conference Travel Award June 2019
Travel to Reykjavik, Iceland for Psycholinguistics in Iceland: Parsing and Prediction
College of Education, University of Illinois at Urbana-Champaign

Block Grant Travel Funding March 2019
Travel to Boulder, CO for the 32nd CUNY Conference on Human Sentence Processing
Graduate College, University of Illinois at Urbana-Champaign

Block Grant Travel Funding March 2018
Travel to Davis, CA for the 31st CUNY Conference on Human Sentence Processing
Graduate College, University of Illinois at Urbana-Champaign

Conference Travel Grant November 2017
Travel to Vancouver, BC, Canada for the 58th Psychonomics Society Annual Meeting
Graduate College, University of Illinois at Urbana-Champaign

Top Abstract Award April 2016
ILLS 8 Conference at the University of Illinois, Urbana, IL

Undergraduate Conference Travel Grant March 2016
Travel to Gainesville, FL for the 29th CUNY Conference on Human Sentence Processing
University of Illinois, Office of Undergraduate Research

Organizations & Committees

Illinois Language & Linguistics Society Conference Planning Committee 2019;2020
Coordinated Invited Speakers and Abstract Reviews