

Amelia E. Kimball

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Education

- 2017 **Ph.D.** in Linguistics, **University of Illinois at Urbana Champaign** (expected; defense passed Oct 27)
Dissertation: "Toward a Hybrid Model of Speech Prosody"
Committee: Jennifer Cole (chair, Linguistics), Gary Dell (Psychology), José Ignacio Hualde (Linguistics), Duane Watson (Psychology and Linguistics)
- 2012 **M.A.** in Applied Linguistics, **Boston University**
Thesis: "Effects of Nuclear Stress and Meter on a Word Recognition Memory Task"
advisor: Jon Barnes
- 2008 **A.B.** in Linguistics *magna cum laude*, **Harvard University**
Thesis: "Transfer of Tonicity and Segmental Phonology in L2 Italian and English"
advisor: Andrew Nevins
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Publications

in peer reviewed journals

in review **Amelia E. Kimball**, Loretta K. Yiu, Duane Watson, *Word recall is affected by surrounding metrical context.*

in peer reviewed conference proceedings

- 2016 **Amelia E. Kimball** and Jennifer Cole, *Pitch contour shape matters in memory*, Proceedings of Speech Prosody 8, Boston, MA.
- 2015 **Amelia E. Kimball**, Jennifer Cole, Gary Dell, Stefanie Shattuck-Hufnagel, *Categorical vs. episodic memory for pitch accents in American English*. Proceedings of the International Congress of Phonetic Sciences, Glasgow, UK. (Best student paper award winner)
- 2014 **Amelia E. Kimball** and Jennifer Cole, *Avoidance of Stress Clash in Perception of American English* Proceedings of Speech Prosody 7, Dublin, Ireland.
- 2014 **Amelia E. Kimball**, *The (Statistical) Power of Mechanical Turk*. Proceedings of the Purdue Linguistics Association Symposium 2014, West Lafayette, IN.

Edited volumes

- 2016 *Studies in the Linguistic Sciences: Illinois Working Papers* Vol. 41. Edited by **Amelia Kimball** and Bill Bryce. Urbana: University of Illinois at Urbana-Champaign.
- 2013 *Studies in the Linguistic Sciences: Illinois Working Papers* Vol. 40. Edited by Daniel Ross and **Amelia Kimball**. Urbana: University of Illinois at Urbana-Champaign
- 2012 *The Proceedings of the 36th Annual Boston University Conference on Language Development*. Edited by Alia Biller, Esther Chung and **Amelia Kimball**. Somerville: Cascadilla Press.

Manuscripts in preparation

- Amelia E. Kimball**, Kailen Shantz, Chris Eager, Joe Roy, *Confronting Quasi-Separation in Logistic Mixed Effects for Linguistic Data: A Bayesian Approach*
- Amelia E. Kimball** and Jennifer Cole, *Perception of regular meter in conversational American English*

Conference Presentations

2018

- **Amelia E. Kimball**, Jennifer Cole, Discrimination experiments show pitch accents are not perceived categorically. Salt Lake City, to be presented Jan 5

2017

- **Amelia E. Kimball**, Patrick Drackley, Jennifer Cole, “Using team quizzes to build understanding” Special session on teaching Phonetics, Acoustical Society of America, New Orleans LA, to be presented Dec 6
- **Amelia E. Kimball**, Loretta K. Yiu, Duane G. Watson, “Word recall is affected by surrounding metrical context” Lancaster, UK, Sept 9
- **Amelia E. Kimball** and Jennifer Cole “What drives perception of syllable stress?” Linguistic Society of America, Austin TX, Jan 6 (poster)

2016

- Joe Roy, Chris Eager, Kailen Shantz, and **Amelia E. Kimball** “Convergence and mixed effects: using Bayesian models in order to better understand linguistic data.” Joint Statistical Meeting, Chicago, Aug 2
- **Amelia E. Kimball** and Jennifer Cole “Perception of Syllable Stress Varies by Listener” Association for Laboratory Phonology. Ithaca, NY Jul 14 (poster)
- **Amelia E. Kimball** and Jennifer Cole “Testing the predictions of metrical theory: variability in reported word-level stress” Framing Speech: Satellite meeting to Speech Prosody 8, Boston, MA Jun 3 (poster)
- **Amelia E. Kimball** and Jennifer Cole “Pitch Contour Shape matters in memory” Speech Prosody 8, Boston, MA May 27 (poster)
- **Amelia E. Kimball**, Chris Eager, Kailen Shantz “Bayesian Models: a solution to convergence errors in mixed-effect models.” Midwest Speech and Language Days, Bloomington, IN, May 14 (poster)
- **Amelia E. Kimball**, Chris Eager, Kailen Shantz, and Joe Roy “When mixed effects aren’t enough: Bayesian models of linguistic data” Illinois Language and Linguistics Society, Urbana, IL Apr 21
- Ben Somers*, Naif Mansury*, **Amelia E. Kimball** “Categorical Perception in Memory” Undergraduate Research Symposium, Urbana, IL Apr 21 (*undergraduate advisees) (poster)
- Naif Mansury*, **Amelia E. Kimball** “Memory for Speech Categories” Undergraduate Research Apprenticeship Program poster presentation, Urbana, IL Apr 18 (*undergraduate advisee) (poster)

2015

- **Amelia E. Kimball**, Jennifer Cole, Gary Dell, Stefanie Shattuck-Hufnagel “Categorical vs. episodic memory for pitch accents in American English,” International Congress on Phonetic Sciences, Glasgow, UK Aug 11
- **Amelia E. Kimball**, Jennifer Cole, Gary Dell, Stefanie Shattuck-Hufnagel “Is Phonetic Variation Represented in memory for Pitch Accents?” Experimental and Theoretical Approaches to Prosody 3, Urbana, IL May 28
- **Amelia E. Kimball**, Loretta Yiu, Duane Watson, “Metrical regularity of surrounding context affects word recall” Experimental and Theoretical Approaches to Prosody 3, Urbana, IL May 28 (poster)

- **Amelia E. Kimball**, Jennifer Cole, Gary Dell, Stefanie Shattuck-Hufnagel “Do listeners remember subcategorical acoustic detail for prosody? Berkeley Linguistics Society, Berkeley, CA Feb 5

2014

- **Amelia E. Kimball** and Jennifer Cole “Testing the Hypothesis of Episodic Memory for Prosody” Mid-continental Phonetics and Phonology Conference, Madison, WI, Sep 1
- **Amelia E. Kimball** and Jennifer Cole “Avoidance of Stress Clash in Perception of American English” Speech Prosody 7, Dublin, Ireland, May 21 (poster)
- Abdul Malik Abbasi and **Amelia E. Kimball** “Word stress in Sindhi and English: Implications for Learners of English.” University of Illinois Program for Second Language Acquisition and Teacher Education Graduate Research Symposium Urbana, IL May 8 (poster)
- **Amelia E. Kimball** “Optimizing Reliability of Crowdsourced Data” Midwest Speech and Language Days 2014, Urbana, IL May 2 (poster)
- **Amelia E. Kimball** “For Acoustic Measurements, to Hand Segment or to Use an Aligner? When in Doubt, Do Both.” Illinois Language and Linguistics Society, Urbana, IL Apr 5
- **Amelia E. Kimball** “The (Statistical) Power of Mechanical Turk” Purdue Linguistics Association Symposium, West Lafayette, IN Mar 20
- **Amelia E. Kimball** and Duane Watson “The Case of the Thirteen Camels: Eyetracking data show that contrary to phonological theory listeners prefer stress clash patterns to stress-shifted alternatives” Purdue Linguistics Association Symposium, West Lafayette, IN Mar 20
- **Amelia E. Kimball** and Jennifer Cole “Is Metrical Regularity Perceived in Conversational Speech?” Linguistics Society of America Annual Meeting, Minneapolis MN Jan 4 (poster)

2013

- Annette Sassi, Anushree Bopardikar, **Amelia E. Kimball**, Sarah Michaels “From ‘sharing out’ to ‘working through ideas’: Helping teachers transition to more productive science talk.” National Association for Research in Science Teaching (NARST), Puerto Rico, Apr 9
- **Amelia E. Kimball** and Jennifer Cole “Is Conversational Speech Perceived as Regular?” Mid-continental Phonetics and Phonology Conference, Ann Arbor Mar 22 (poster)

Invited Talks

2017

- **Amelia E. Kimball** “Categorical vs. Episodic Models of Speech Prosody” Human Language Processing Lab, University of Rochester, Rochester, NY. Feb 2
- **Amelia E. Kimball** “Using Bayesian Statistical Methods to Address Convergence Errors” Center for Language Sciences, University of Rochester, Feb 1
- **Amelia E. Kimball** “Towards a Hybrid Model of Speech Prosody” Northwestern University Phonetics and Phonology group, Evanston IL. Jan 25

Research Experience

2012-2015 Communication and Language Lab, University of Illinois at Urbana Champaign (PI: Duane Watson)

- Designed and built eyetracking experiments in the visual world paradigm using Matlab
- Collected eyetracking data using SR Eyelink 1000
- Statistical analysis and visualization of eyetracking data using Matlab and R
- Designed, built, ran, and analyzed speech perception experiments using Mechanical Turk
- Created acoustic stimuli through resynthesis and conducted acoustic analyses using Praat

- Supervised 13 undergraduate RAs involved in data collection and experiment design
- 2011,12 TERC, Cambridge, MA. TERC is a grant funded, not-for-profit education research and development organization dedicated to improving mathematics, science, and technology teaching.
Summer Research Consultant, Talk Science Project
- analyzed video recordings of 4th grade science classroom discourse
 - statistical analysis of quantitative measures of desired teacher behaviors
 - qualitative description of observed teaching, using Nvivo software

2010 Boston University Program in Applied Linguistics *Research Assistant for Prof. Cathy O'Connor*

Courses Taught

As sole instructor

- 2017 “Introduction to Language Science” large, introductory undergraduate course at University of Illinois at Urbana Champaign
- 2010 Intermediate English as a Second Language—mixed age classroom 14-18 year olds. American Education and Travel Services Summer Program, Boston, MA

As a Teaching Assistant

- 2015-16 “Introduction to Language Science” large, introductory undergraduate course at University of Illinois at Urbana Champaign. 4 semesters.
- 2011-12 “Foundations of Language” large, introductory undergraduate course at Boston University. 2 semesters.
- 2009 “Speech and oral interpretation” – intermediate ESL course at a collegiate prep school. Northfield Mount Hermon School Summer Session, Northfield, MA

As a guest lecturer

- 2015 Graduate level phonology 2, lectures on “Primary word stress” and “Stress perception,” 9/14, 16 Korean summer exchange in linguistics, University of Illinois lecture on “Prosody” June 26
- 2014 Graduate level phonology 1, lectures on “Statistical noise in phonological theory” and “Experimental methods and the acquisition of phonology,” 4/24, 4/26
- 2013 Graduate level phonology 2, lectures on “Speech rhythm and stress shift,” 9/17

Other pedagogical experience

- 2012-15 University of Illinois at Urbana Champaign Center for Innovation in Teaching and Learning International TA English Proficiency Interview *rater, coordinator*
- 2010-11 Boston University Center for Excellence and Innovation in Teaching *Consultant*
- 2010-12 Boston University College of Arts and Sciences Writing Center *Writing tutor, ESL Specialist*
- 2009,11 Derek L. Bok Center for Teaching and Learning, Harvard University *International TA Consultant*
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Mentoring Experience and outreach

- 2017 Oral presentation and poster judge, University of Illinois Undergraduate Research Symposium, 4/27
- 2016 Graduate mentor, Undergraduate Research Apprenticeship Program. University of Illinois at Urbana Champaign.
- 2012-17 Supervised 13 undergraduate research assistants working for course credit. Recruitment focused on students new to science and from minorities underrepresented in social science.
- 2013,15 Beckman Institute for Advanced Science and Technology *open house exhibitor*

Fellowships, Awards, and Grants

- 2017 Silver Jubilee award for Outstanding TA in Linguistics
University list of teachers rated as excellent; outstanding rating (top 10%); spring semester
- 2016 Graduate Teacher Certificate (Earned certification, Center for Innovation in Teaching and Learning.)
University list of teachers rated as excellent; outstanding rating (top 10%); spring & fall semester
- 2015 Best Student Paper award (tied for first out of ~250), International Congress of Phonetic Sciences
University list of teachers rated as excellent; spring semester
- 2012-15 Illinois Distinguished Fellowship, \$25,000/year University-wide recruitment fellowship
- 2014 Illinois Language and Linguistics Society conference, top rated abstract award
- 2013 Beckman Institute for Advanced Science and Technology, Cognitive Science and Artificial Intelligence Award. (\$2000)
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Academic Service

- 2017 Journal of Experimental Psychology: Learning, Memory, and Cognition, *ad-hoc reviewer*
- 2016 Journal of the Acoustic Society of America, Express letters, *ad-hoc reviewer*
- 2014-16 Illinois Language and Linguistic Society conference committee member, *abstract reviewer*
- 2014-15 University of Illinois Graduate College Fellowship Executive Committee, *student member*
- 2013-14 Studies in the Linguistic Sciences: Illinois Working Papers Editor, *reviewer*
- 2011-12 Boston University Conference on Language Development 36 *Co-organizer*
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Technical skills

Proficient in: R, Praat, Excel, Amazon Mechanical Turk, Qualtrics survey software.
Familiar with: Audacity, Python, SPSS, Matlab for eyetracking, NVivo

Language skills

- Italian/High intermediate
 - French/Intermediate
 - Catalan/Beginner
 - Portuguese/Beginner
 - Spanish/reading knowledge
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References

- Prof. Jennifer Cole, Department of Linguistics, Northwestern University. jennifer.cole1@northwestern.edu
- Prof. Jose Ignacio Hualde, Department of Linguistics, University of Illinois at Urbana Champaign, jhualde@illinois.edu
- Prof. Duane Watson, Department of Psychology and Human Development, Vanderbilt University, duane.g.watson@vanderbilt.edu