Kodi Weatherholtz, Ph.D.

Postdoctoral Associate, University of Rochester

(last updated: November 9, 2015)

Contact Information

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Research Positions

2015	**Postdoctoral Associate**, Brain and Cognitive Sciences, University of Rochester (advisor: T. Florian Jaeger)
2014–2015	**Data scientist** (intern), McGraw Hill Education, Columbus, OH User Experience division of Strategy & Analytics

Education

2015	**Ph.D., Linguistics**, The Ohio State University Advising Committee: Cynthia G. Clopper (primary), Shari Speer, Mark Pitt Thesis: *Perceptual learning of systemic cross-category vowel variation*
2009	**B.A., English**, University of Central Oklahoma *summa cum laude*

Research Funding: Grants and Fellowships

2014	Center for Cognitive and Brain Sciences Graduate Fellowship, Ohio State University (1 semester of PhD funding)
2011–2014	National Science Foundation Graduate Research Fellowship (3 years of PhD funding)
2009	Dean's Graduate Enrichment Fellowship, Ohio State University (2 years of PhD funding)
2008	Ronald E. McNair Baccalaureate Achievement Grant, University of Central Oklahoma

Awards and Honors

2013	**International Travel Award**, L'Assoc. Francophone de la Communication Parleé
2012	**Ray Travel Award**, Ohio State University
2009	**Dean's Award for Research Excellence**, U. of Central Oklahoma
2008	**Clara Kessler Memorial Foundation Scholarship**, U. of Central Oklahoma

2008	**Dale Edward McConathy Foundation Scholarship**, U. of Central Oklahoma
2007	**Chesapeake Scholarship**, Chesapeake Energy Corporation
2006	**Mattie Lou Hayhurst Foundation Scholarship**, U. of Central Oklahoma
2005–2009	**Dean's List**, U. of Central Oklahoma
2005–2009	**President's Leadership Council Scholarship**, U. of Central Oklahoma

Workshop Funding

2013, April	$5,300 – Targeted Investment in Excellence, OSU. Workshop: *Current Issues and Methods in Speaker Adaptation*, OSU, April 2013 (co-written with Mary Beckman, Abby Walker and Bridget Smith)
2013, April	$2,500 – Study of Language Variation Grant, Buckeye Language Network, OSU. Workshop: *Current Issues and Methods in Speaker Adaptation*, OSU, April 2013 (co-written with Mary Beckman, Abby Walker and Bridget Smith)

RESEARCH

Publications: Journal Articles

Weatherholtz, K., Campbell-Kibler, K., & Jaeger, T. F. (2014). Socially-mediated syntactic alignment. *Language Variation and Change*, 26(3), 387-420. doi:10.1017/S0954394514000155. [featured in the University of Rochester News]

Manuscripts: Submitted and in preparation

Weatherholtz, K., Seifelden, M., Kleinschmidt, D. F., Kurumada, C., & Jaeger, T. F. (submitted). Language processing as probabilistic inference under uncertainty based on socio-indexical knowledge. *Language and Linguistics Compass*.

Weatherholtz, K. & Jaeger, T. F. (submitted). Speech perception and generalization across talkers and accents. *Oxford Research Encyclopedia*. [open for comments on Academia.edu; downloaded 600+ times since July, 2015]

Weatherholtz, K. & Clopper, C. G. (in preparation). *Perceptual learning of systemic vowel variation: Evidence for generalization across talkers and vowel shift systems.*

Invited Talks

Weatherholtz, K. (2015, May). Perceptual learning of systemic cross-category vowel variation. Invited talk presented at the Human Language Processing Lab, University of Rochester, Rochester, NY.

Weatherholtz, K. (2013, November). Effects of experience and expectations on cross-dialect sentence intelligibility. Invited talk presented at the Department of Psychology, University of Pennsylvania, Philadelphia, PA.

Weatherholtz, K. (2013, January). Learning more than we experience: Perceptual adaptation to cross-category vowel mismatches. Invited talk presented at the Beckman Institute Language Processing Brown Bag, University of Illinois at Urbana-Champaign, Urbana, IL.

Refereed Presentations

Weatherholtz, K. (2014). The influence of high variability exposure conditions on talker-specific versus talker-independent perceptual learning outcomes. Talk presented at the *9th Annual Meeting of The Mental Lexicon*, Niagara-on-the- Lake, ON, Canada, September 30th-October 2nd.

Weatherholtz, K. (2014). Constraints on cross-talker generalization of perceptual learning for speech. Talk presented at The Ohio State University Center for Cognitive and Brain Sciences Fall Retreat, Perrysville, OH, September 19-20th.

Weatherholtz, K. (2014). Lexically guided perceptual learning of systemic vowel variation: Evidence for cross-talker generalization following single-talker exposure. Talk presented at the *20th Annual Meeting of Architectures and Mechanisms for Language Processing (AMLaP)*, Edinburgh, Scotland, September 3-6th.

Weatherholtz, K., Campbell-Kibler, K, & Jaeger, T. F. (2014). Syntactic alignment and the mediating role of social perception and higher-order social cognition. Poster presented at the *International Workshop on Language Production*, Geneva, July 16-18th.

Weatherholtz, K., Walker, A., Melvin, S., Royer, A., & Clopper, C. G. (2014). Effects of experience and expectations on adaptation to dialect variation in noise. Poster presented at the *27th Annual CUNY Conference on Human Sentence Processing*, Columbus, OH, March 14-15th.

Barlew, J., Carmichael, K., McGory, J., Morton, D., Phelan, M., & **Weatherholtz, K.** (2014). Bringing linguistic inquiry to high schoolers: A report on the SLIYS program. Poster presented at the *88th Annual Meeting of the Linguistic Society of America (LSA)*, Minneapolis, MN, January 2nd-5th.

Walker, A., **Weatherholtz, K.**, & Clopper, C. G. (2013). The effect of listener expectations on cross-dialect sentence intelligibility. Poster presented at the *3rd Annual Midwestern Cognitive Science Conference*, Columbus, OH, May 18th.

Weatherholtz, K. (2013). Phonological inference and adaptation to cross-category vowel mismatches. Poster presented at the *Workshop on Current Issues and Methods in Speaker Adaptation (CIMSA)*, Columbus, OH, April 6-7th.

Weatherholtz, K. (2013). Is F1 different from F2?: Generalization of lexically-driven perceptual learning. Talk presented at the *87th Annual Meeting of the Linguistic Society of America (LSA)*, Boston, MA, January 2nd-6th.

Weatherholtz, K., Campbell-Kibler, K.,& Jaeger, T. F. (2012). Similarity, avoidance, and accentedness: Social influences on syntactic alignment. Talk presented at *New Ways of Analyzing Variation (NWAV 41)*, Bloomington, IN, October 25-28th.

Weatherholtz, K., Campbell-Kibler, K., & Jaeger, T. F. (2012). Syntactic alignment is mediated by social perception and conflict management. Talk presented at the *18th Annual Meeting of Architectures and Mechanisms for Language Processing (AMLaP)*, Riva Del Garda, Italy, September 6-8th.

Weatherholtz, K. (2012). Assessing generality and specificity in adaptation to novel vowel productions. Poster presented at the *18th Annual Meeting of Architectures and Mechanisms for Language Processing (AMLaP)*, Riva Del Garda, Italy, September 6-8th.

Weatherholtz, K., Walker, A., & Campbell-Kibler, K. (2012). Accommodation and sociolinguistic meaning: Phonetic after-effects of being and interacting with a (dis-)engaged interviewer. Poster presented at the *International Symposium on Imitation and Convergence in Speech (ISICS)*, Aix-en-Provence, France, September 3rd-5th.

Weatherholtz, K. (2012). Specificity and generality in speaker adaptation. Talk presented at *Psycholinguistics in Flanders (PiF)*, Berg en Dal, The Netherlands, June 6-7th.

Weatherholtz, K. (2012). Effects of speaker-specific information on speech segmentation. Poster presented at the *86th Annual Meeting of the Linguistic Society of America (LSA)*, Portland, OR, January 5-8th.

Weatherholtz, K. (2011). Sociolinguistic expectations and segmentation of conversational speech. Poster presented at the *Workshop on the Production and Comprehension of Spontaneous Speech*, Nijmegen, The Netherlands, December 11-12th.

Weatherholtz, K. (2011). Socially-motivated garden pathing: When social expectations influence speech segmentation and comprehension. Talk presented at *Variation and Language Processing (VaLP)*, Chester, UK, April 11-13th.

Press Coverage

Patenaude, M., *Thinking alike changes how we speak*. University of Rochester Newscenter, May 19, 2015. www.rochester.edu/newscenter/thinking-alike-changes-the-conversation-103682/

TEACHING

Courses   (student evaluations available upon request)

SUM 2014	**LING 7890.10: Mixed-effects Regression Modeling**, The Ohio State University, Co-taught with Dr. Cynthia Clopper, 50/50 split on all duties (15 graduate students)

SPR 2010	**LING/PSYCH 371: Language and the Mind**, The Ohio State Univesrity, Instructor of Record (23 undergraduate students)
WIN 2010	**LING/PSYCH 371: Language and the Mind**, The Ohio State Univesrity, Instructor of Record (33 undergraduate students)
FALL 2009	**LING/PSYCH 371: Language and the Mind**, The Ohio State Univesrity, Instructor of Record (30 undergraduate students)
2007–09	**ENG 4343: Introduction to Linguistics**, University of Central Oklahoma Teaching assistant (4 terms)
2007	**ENG 4283: English Grammar and Usage**, University of Central Oklahoma Teaching assistant (1 term)

Invited Teaching: Tutorials and Guest Lectures

2015, March	*Using R for advanced data analysis.* McGraw Hill Education, Columbus, OH. (2-hour tutorial, 15 attendees)
2015, Feb.	*Perceptual adaptation and vowel variation across accents.* Guest lecture for LING 2000: Introduction to Linguistics, Ohio State University
2014, Sept.	*Mixed effects modeling: Considerations for specifying random effects*, Ohio State Univ. (1.5 hours, 20 attendees)
2013, Oct.	*Introduction to data visualization using R and ggplot2*, Ohio State University. (2-hour tutorial, 15 attendees)
2013, Sept.	*Perceptual learning and the 'lack of invariance' problem in speech perception.* Guest lecture for LING 3701: Language and the Mind, Ohio State University.
2013, Sept.	*Building and interpreting mixed effect models in R*, Ohio State University. (1.5 hours, 15-attendees)
2013, May	*Introduction to data visualization using R and ggplot2.* Guest lecture for LING 8800: Computational Methods for Linguists, Ohio State University.
2012, Nov.	*Introduction to data visualization using R and ggplot2*, Ohio State University. (2-hour tutorial, 20 attendees; **slides available on my website − 700+ views**)

Student Supervision

	Student	Supervision Type	Outcome
2015–	Emily Rowe	Undergraduate Research (Univ. of Rochester BCS) : "Adaptation to foreign-accented speech: A replication attempt of Clarke & Garrett (2004)"	In progress
2015–	Larisa Bainton	Undergraduate Research in Cognitive Science: "Adaptation to foreign-accented speech: A replication attempt of Clarke & Garrett (2004)"	In progress

Informal Teaching: Science Outreach

2013–pres.   Individual and small group consulting on statistical modeling and data visualization

2010–2015   Regular speaker for Linguistics Outside the Classroom (lecture series that engages undergraduates with research in the language sciences), Ohio State University

SERVICE

Ad-hoc Reviewing

Journals   *Acta Psychologica* (2013: 1)
Journal of the Acoustical Society of America (2015: 1)
Journal of Experimental Psychology: Human Perception and Performance (2015: 1)
Journal of Memory and Language (2015: 1)
Laboratory Phonology (2015: 1)
Language, Cognition and Neuroscience (2015: 2)

Conferences   *AMLaP – Architectures and Mechanisms for Language Processing (2015)*
CUNY Conference on Human Sentence Processing (2014)
SVaLP – Sociolinguistic Variation and Language processing (2016)

Event Organization: Conferences, Workshops and Institutes

2014   **27th Annual CUNY Conference on Human Sentence Processing**,
Event coordination, OSU

2013   **Workshop on Current Issues and Methods in Speaker Adaptation**,
Co-organizer, OSU, April 2013 (w. Mary Beckman, Abby Walker and Bridget Smith)

2011–2014   **Summer Linguistics Institute for Youth Scholars (SLIYS)** (an academic initiative for high school students), *Organizing Committee Member*, OSU

2010   **Symposium on Interdisciplinary Approaches to Sociolinguistic Meaning**,
Program Committee Member, OSU

2009   **International Language and Linguistics Student Conference**,
Co-organizer, U. of Central Oklahoma

Advisory and Action Committees

2014   **Buckeye Language Network (BLN) Steering Committee**, OSU

2012–2014   **Laboratory and Computing Committee**, OSU, Dept. of Linguistics

2011–2012   **Targeted Investment in Excellence (TIE) committee**, OSU

2010–2011   **Student Linguistics Association**, *President*, OSU