

Dr. Frederick M. Hoyt

8 Sterling Rd., Kittery, ME 03904

| | |
|---------------------------------|---|
| Contact Information | Phone: (512) 785-1629 (Cell) Email: fmhoyt@gmail.com LinkedIn Profile: www.linkedin.com/in/frederickhoyt Personal Webpage: http://fmhoyt.colliertech.org <i>Please note that the PDF file for this document contains live HTML links.</i> |
| Summary | I am a curator, analyst and connoisseur of linguistic data, a Fulbright- and NSF-awarded linguistic researcher, and a tenacious and resourceful problem-solver who has written influential linguistic research on Arabic and other languages (See here for list of citations.). |
| Specialties | <ul style="list-style-type: none">• Data management using relational databases and spreadsheets.• Text processing using Linux, Python and Perl shell scripting;• Harvesting data from large text corpora, treebanks and internet sources;• Extraction of phonetic data from large audio corpora;• Acoustic analysis and script-writing with Praat;• Professional-level Arabic skills, including: speaking, listening, reading, writing, and identification of regional accents;• Arabic-English, English-Arabic and German-English translation;• Arabic text processing both in Arabic alphabet and in transliteration;• Text digitization using OCR software;• Morphological and syntactic analysis with statistical models;• Grammar engineering using OpenCCG and XLE-LFG; |
| Education | <p>University of Texas at Austin (Austin, TX) Ph.D., Linguistics (12/2010). Dissertation Title: <i>Negative Concord in Levantine Arabic</i>.</p> <p>Cornell University (Ithaca, NY) M.A., Linguistics (8/2000). Thesis Title: <i>Agreement, Word Order, and Specificity Effects in Rural Palestinian Arabic Existential Constructions</i>.</p> <p>University of New Hampshire (Durham, NH) B.A., English Literature (5/1990).</p> |
| Arabic Language Training | 9 years' coursework in Modern Standard and spoken Levantine Arabic (Cornell University, University of Texas at Austin); Extensive real-world use of Arabic in the West Bank and Jordan; Summer Arabic intensive course at San Diego State University, July 2005; STARTalk Arabic Teacher Training Workshop, Brigham Young University, July 2012. |
| Other Language Training | German: 7 years' coursework; strong reading ability; Spanish: 1 year's coursework as undergraduate, some reading ability; Anglo-Saxon English: 1 year's coursework as undergraduate; Latin: 2 years' coursework in high school. |
| Honors and Awards | 2007: National Science Foundation Dissertation Improvement Grant #0728656. 2006: U.S. State Department Fulbright-Hays Doctoral Dissertation Research Abroad (DDRA) Fellowship #P022A0600; UT-Austin Bruton Fellowship; ESSLLI 2006 student grant. |

- 2005: FLAS (Arabic), Department of Middle Eastern Studies, UT-Austin.
- 2004: Certificate of Recognition for Outstanding Service to the Department of Linguistics in the College of Liberal Arts as an Assistant Instructor, UT-Austin.
- 1996: FLAS (German), Department of European Studies, Cornell University.

Work History

- Independent Linguistic Researcher*, Kittery, ME 7/2010 - present
Writing Python and Praat scripts for extracting audio data from Arabic speech corpora; presenting and publishing work on prosody of negative sentences in Levantine Arabic.
- Independent Linguistic Researcher*, Kittery, ME 10/2011
Collaborated with researchers at University of Texas at Austin on sentiment analysis of Arabic Twitter data; evaluated quality of Google Translate output from corpus of Arabic twitter data and accuracy of sentiment analysis produced by experiment.
- Assistant Teacher*, Eyes of the World Discovery Center (Kittery, ME) 2/2016 - present
Teaching preschool-age children in nature-based learning environment.
- Adjunct Lecturer*, University of New England (Biddeford, ME) 6/2011 - 5/2016
Teaching *Basic Arabic* and *Society and Culture of the Arab World*.
- Arabic Instructor*, Kittery Adult Education (Kittery, ME) 1/2009 - 9/2011
Taught introductory courses on Levantine Arabic and Modern Standard Arabic.
- Research Fellow*, UT-Austin (Austin, TX) 9/2007 - 8/2008
Travelled to Irbid, Jordan to conduct dissertation research funded by Fulbright-Hays DDRA #P022A0600 and NSF Dissertation Improvement Grant #0728656; recorded and transcribed interviews with native speaker consultants; glossed and translated data in Levantine and Modern Standard Arabic; used complex Google search strings to find dialect-specific internet data; used spoken Levantine Arabic for day-to-day life; learned to hear regional dialect variations within Southern Levantine Arabic; managed data using SIL Toolbox database.
- Graduate Research Assistant*, UT-Austin (Austin, TX) 8/2006 - 5/2007
Co-authoring paper accepted for Association for Computational Linguistics 2008 (Hoyt and Baldrige 2008); formatted Penn Arabic Treebank data for vocalization experiments, using Linux shell, Perl and Python scripting;
- Graduate Research Assistant*, UT-Austin (Austin, TX) 1/2006 - 5/2006
Managed anthropological linguistics A/V laboratory.
- Assistant Instructor*, University of Texas at Austin (Austin, TX) 1/2005 - 12/2005
Linguistics Department: Taught *Introduction to Linguistics*.
- Teaching Assistant*, UT-Austin 8/2004 - 12/2004
TA for graduate-level *Syntax I*.
- Assistant Instructor*, University of Texas at Austin (Austin, TX) 1/2003 - 7/2004
Linguistics Department: Developed and taught *The Linguistics of Middle Earth*
- Teaching Assistant*, UT-Austin 8/2002 - 12/2002
TA for graduate-level *Syntax I*.
- Research Linguist*, Cycorp Inc. (Austin, TX) 1/2001 - 3/2002
Produced design map of high-level architecture of *KRAKEN* tool-set; trained subjects

at George Mason University in using KRAKEN user interface for DARPA-funded rapid-knowledge formation (RKF) experiment; tested Cyc knowledge base and developed natural language interface systems for Cyc.

Teaching Assistant, UT-Austin 8/2000 - 12/2000
Graded papers for *Organizational Behavior, Managerial Policy and Strategy*.

Teaching Assistant, Cornell University (Ithaca, NY) 8/1997 - 12/1999
Taught *English Writing for Academic Purposes*.

Projects

2011-present: Annotating million-plus word corpus of spoken Levantine Arabic for tokenization and morphological analysis as part of on-going project studying intonational phrasing in Levantine Arabic negative sentences.

2008-2012: Writing Python and Praat and Linux shell scripts for extracting audio data in LDC Levantine Arabic QT Training Data Set 5 speech and transcript corpora; extracting data from speech corpus for acoustic analysis with Praat.

2011: Collaborated on sentiment analysis of Arabic Twitter data: evaluated quality of Google Translate output from corpus of Arabic twitter data; evaluated sentiment analysis produced by experiment; co-authored white paper reporting results.

2007: Co-editor for *Sense and Sensitivity: How Focus Determines Meaning*: Commented on and edited content; finalized LaTeX formatting.

2005: Co-editor for Proceedings of Texas Linguistic Society IX (2005).

2004: Built MySQL database of cognate words in J.R.R. Tolkien's *The Etymologies*: converted index of vocabulary into database files, Installed and managed MySQL server, compiled database.

2003-2005: Grammar engineering: Modeled Arabic subject-verb agreement in the Xerox Language Environment; modeled syntactic phenomena in Arabic and Spanish using the OpenCCG.

1998: Digitized *Volkserzählungen aus Palästina* (Schmidt and Kahle 1918), a collection of folk narratives in Bir Zeit Palestinian Arabic: Scanned text then used OCR software and advanced regular expression searches to create 45,000-word corpus for use in linguistic research; extracted data from corpus using concordance software.

1997-1999: Managed Cornell Linguistic Circle Publications, Department of Linguistics, Cornell University: Managed Filemaker database of publication inventory; Processed and shipped orders for publications.

Publications

2015 (with Jason Baldridge). "Categorial Grammar." in *Syntax: Theory and Analysis*, v.2, T. Kiss and A. Alexiadou (eds.). De Gruyter (Berlin). 1045-1087.

2014. "Prosodic Constituency and Locality in Levantine Arabic Long-Distance Negative Concord." in *Perspectives on Arabic Linguistics XXVIII: Papers from the annual symposium on Arabic Linguistics*. New York, 2012, R. Khamis-Dawar and K. Froud (eds.). John Benjamins (Amsterdam and New York). 47-74.

2012 (with A. Teodorescu). "How many kinds of sluicing and why? Single and Multiple Sluicing in Romanian, English, and Japanese." in *Sluicing: Cross-linguistic explorations*,

- J. Merchant and A. Simpson (eds.). Oxford University Press. 83-103.
2011. (with David Beaver, Christopher Brown, Joey Frazee, Jeff Hancock and Xiong Liu) "Evolution of Sentiment in the Libyan Revolution". Ms., UT-Austin.
2010. *Negative Concord in Levantine Arabic*. PhD Dissertation, UT-Austin.
2008. (with Jason Baldrige). "Logical Basis for the D Combinator and Normal Form Constraints in Combinatory Categorical Grammar." In *Proceedings of ACL/HLT-08*. Columbus, OH. 326-334.
2008. *The Encyclopedia of Arabic Language and Linguistics*, v.IV. M. Eid, A. Elgibali, K. Versteegh, M. Woidich and A. Zaborski (eds.). Brill (Leiden): "Specificity," 315-320; "Verb Phrase," 646-652; "Verbal Clause," 653-659.
2007. "An Arabic Wackernagel Clitic?: The Morphosyntax of Negation in Palestinian Arabic." In *Proceedings of the 20th Symposium on Arabic Linguistics*. M. Mughazy (ed.). John Benjamins (Philadelphia). 105-134.
2007. *The Encyclopedia of Arabic Language and Linguistics*, v.III, M. Eid, A. Elgibali, K. Versteegh, M. Woidich and A. Zaborski (eds.). Brill (Leiden): "Nominal Clauses," 381-388; "Noun Phrase," 429-434; "Polarity," 652-658; "Predicate," 683-689.
2006. "Negative Concord and Restructuring in Palestinian Arabic: A Comparison of TAG and CCG Analyses." In *Proceedings of TAG+8*, T. Becker and L. Kallmeyer (eds.). Association for Computational Linguistics (Stroudsburg, PA). 49-56.
2006. "Long-Distance Negative Concord and Restructuring in Palestinian Arabic." In *Proceedings of the Workshop on Concord and the Syntax-Semantics Interface*, P. Dekker and H. Zeijlstra (eds.). ESSLI Publication. 27-32.
2005. "Sentential Negation Marking in Palestinian and Moroccan Arabic: A Study in Comparative Morphosyntax." Ms., UT-Austin.
- 2004 (with A. Teodorescu). "Sluicing in Romanian: A Typological Study." In *Selected Proceedings of the 33rd Linguistic Symposium on the Romance Languages*. J. Auger, C. Clements and B. Vance (eds.). John Benjamins (Philadelphia). 197-216.
2004. "Subject-Verb Agreement in Modern Standard Arabic: An LFG Implementation in the Xerox Language Engineering Environment." Ms., UT-Austin.
2002. "Agreement, Specificity Effects, and Word Order in Rural Palestinian Arabic Existential Constructions." In *Proceedings of the 13-14th Symposium on Arabic Linguistics*. D. Parkinson and A. Benmamoun (eds.). John Benjamins (Philadelphia). 111-141.
2000. *Reduced Agreement as a Specificity Effect in Rural Palestinian Arabic*. MA Thesis, Cornell University.
- Conference Presentations**
2015. "Stochastic Grammar and Grammatical Variation in Arabic." *The Syntax of the Arabics*. University of Geneva (Geneva, Switzerland. Aug 28-29.
2012. "Prosodic Constituency and Locality in Levantine Arabic Long-Distance Negative Concord." *ALS 26*. Adelphi University (New York, NY). Mar 1-3.
2010. "Negative Concord and Subject-Verb Word Order in Two Dialects of Arabic." *ALS 24*. UT-Austin (Austin, TX). Apr 9-11.

2010. "Levantine Arabic Negative Concord and the Inherent Negativity of N-Words." *Georgetown University Round Table 10*. Georgetown University (Washington DC). Mar 12-14.
2008. "Logical Basis for the D Combinator and Normal Form Constraints in Combinatory Categorical Grammar" *Association of Computational Linguistics '08*. Ohio State University (Columbus OH). Jun 16-18 (with Jason Baldridge).
2006. "Long-Distance Negative Concord and Restructuring in Palestinian Arabic." *European Summer School on Logic, Language and Information 2006 Workshop on Concord Phenomena*. University of Málaga (Málaga, Spain). Aug 7-11.
2006. "Negative Concord and Restructuring in Palestinian Arabic: A Comparison of TAG and CCG Analyses." *Tree-Adjoining Grammar and Related Formalism 8 Workshop (TAG+8)*. University of Technology (Sydney, Australia). Aug 16.
2006. "An Arabic Wackernagel Clitic?." *ALS 20*. Western Michigan University (Kalamazoo, MI). Mar 3-5.
2004. "The Linguistics of Middle Earth: Using Invented Languages to Teach Real-World Linguistics." *UT Linguistics Circle*. UT-Austin (Austin, TX). Oct 29.
2003. "Multiple Sluicing in Romanian" *Linguistic Symposium on Romance Linguistics 33*. Indiana University (Bloomington, ID). Apr 24-27 (with A. Teodorescu).
2003. "Incremental Telicity and Extra-lexical Thematic Licensing in English Intransitive Resultative Constructions." *UT Linguistics Department Colloquium*. UT-Austin (Austin, TX). Mar 17.
2002. "Case Marking, Discourse Configuration and Syntactic Predication in Standard Arabic, Japanese, and Korean." *UT Linguistics Circle*. UT-Austin (Austin, TX). Oct 19.
2002. "Topic, Subject, and Syntactic Predication in Arabic Nominal Clauses." *ALS 16*. University of Cambridge (Cambridge, UK). Mar 1-2.
2001. "Agreement, Specificity, and Phrase Structure in Rural Palestinian Arabic Existential Constructions." *Texas Linguistics Society*. UT-Austin (Austin, TX). Mar 2-4.
2000. "The Categorical Status of Existential *Fiih*." *14th Arabic Linguistics Symposium*. UC-Berkeley (Berkeley, CA). Mar 10-12.
1999. "Reduced Agreement as a Specificity Effect in Rural Palestinian Arabic." *Workshop on Semitic Linguistics*. University of Indiana at Urbana-Champaign (Urbana, IN). Jul 17-18.
1999. "Reduced Agreement as a Specificity Effect in Rural Palestinian Arabic." *ALS 13*. Stanford University (Palo Alto, CA). Mar 5-6.

**Additional
Information**

Please see my LinkedIn, ResearchGate and Academia.edu profiles for further information about publications, research, teaching experience, skills and other information.