THOMAS SOSTARICS

CURRICULUM VITAE

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Department of Linguistics
Northwestern University

EDUCATION

Northwestern University, Evanston, IL

Ph.D., Linguistics	(Expected) Aug 2024
M.A., Linguistics	Jan 2023
Data Science Fellow, Northwestern Institute on Complex Systems	Sep 2019 - Present

Kellogg School of Management, Evanston, IL

Business Management Certificate for Scientists and Engineers	Aug 2023

The University of Chicago, Chicago, IL

B.A. Linguistics	Jun 2018

RESEARCH INTERESTS

Phonetics; Phonology; Prosody; Prosody-Pragmatics Interface; Data Science

APPOINTMENTS & EXPERIENCE

Teaching Assistant   2020 – 2023
Department of Linguistics   *Northwestern University*

· Experimental Pragmatics (with E. Ronai)	Winter 2023
· Introduction to Computational Linguistics (with R. Voigt)	Fall 2021
· Introduction to Programming and Text Processing for Linguists (with R. Voigt)	Winter 2021
· Introduction to Laboratory Phonology (with J. Cole)	Fall 2020

English Instructor   2021 – 2022
English Language Programs   *Northwestern University*

Volunteer Analyst   2019 – 2022
Aphasia and Neurolinguistics Research Lab   *Northwestern University*

Research Assistant   2018 – 2019
Language Processing Lab   *The University of Chicago*

GUEST LECTURES AND WORKSHOPS

Guest Lectures

Introduction to Intonational Meaning for *Experimental Pragmatics*	Winter 2023
Praat for Prosody Research for *Graduate Prosody Seminar*	Winter 2023
NLP Applications for Intonational Meaning for *Graduate Prosody Seminar*	Winter 2023
Introduction to Praat for *Introduction to Laboratory Phonology*	Fall 2020
Phonological Perspectives on Aphasia for *Introduction to Laboratory Phonology*	Fall 2020

Workshops

Understanding Ordinal Models for Rating Data	*Linguistics Noon Colloquium* 2024
Introduction to R	*Cognitive Science Workshops* 2023
Conferences and Poster Presentations	*Cognitive Science Workshops* 2023
Structure of Experimental Papers	*Cognitive Science Workshops* 2023
Presentation Skills and Slide Design	*Cognitive Science Workshops* 2023
Applying to Graduate Programs in Cognitive Science	*Cognitive Science Workshops* 2023
Data Visualization in R	*Lingusitics Noon Colloquium* 2023

Introduction to Simulations	*Prosody and Speech Dynamics Lab* 2022
Contrast Coding for Categorical Variables	*Linguistics Noon Colloquium* 2022
Introduction to Ordinal Regression	*Prosody and Speech Dynamics Lab* 2021
Stimulist: A Package for Counterbalancing Experiments	*Data Science Research Sessions* 2021
Introduction to LaTeX	*Linguistics Noon Colloquium* 2021
Diversity and Inclusion at Northwestern	*Linguistics Summer Workshop Series* 2020
Introduction to Version Control	*Linguistics Summer Workshop Series* 2020

PUBLICATIONS

Peer-reviewed Journal Articles

2024   Walenski, M., **Sostarics, T.**, Mesulam, M. M., & Thompson, C. K. (2024). The production of adjectives in narratives by individuals with primary progressive aphasia. *Journal of Neurolinguistics*, *69*, 101179. doi:https://doi.org/10.1016/j.jneuroling.2023.101179

Conference Proceedings

2024   **Sostarics, T.**, & Cole, J. (accepted). PitchMendR: A tool for the diagnosis and treatment of F0 tracking errors. In *Proceedings of speech prosody 2024*

2024   **Sostarics, T.**, Ronai, E., & Cole, J. (accepted). Relating scalar inference and alternative activation: A view from the rise-fall-rise tune in american english. In *Proceedings of experiments in linguistic meaning 3*

2023   **Sostarics, T.**, & Cole, J. (2023). Pitch Accent Variation and the Interpretation of Rising and Falling Intonation in American English. In *Proc. INTERSPEECH 2023* (pp. 97–101). doi:10.21437/Interspeech.2023-315

2023   **Sostarics, T.**, & Cole, J. (2023). Testing the Locus of Speech-Act Meaning in English Intonation. In R. Skarnitzl & J. Volín (Eds.), *Proceedings of the 20th International Congress of Phonetic Sciences* (pp. 1240–1244). Guarant International

2023   **Sostarics, T.**, & Cole, J. (2021). Epistemic Meaning and the LLL Tune in American English. In *Proc. 1st international conference on tone and intonation (tai)* (pp. 11–15). doi:10.21437/TAI.2021-3

PRESENTATIONS

Refereed Conference Presentations

2024   **Sostarics, T.**, & Cole, J. (accepted). *PitchMendR: A tool for the diagnosis and treatment of F0 tracking errors.* Poster presentation at Speech Prosody 2024.

2024   Cole, J., Sandberg, K., **Sostarics, T.**, Stanhope, R., & Ronai, E. (accepted). *Intonation and its meaning: Beyond essential differences.* Poster presentation at Intonation at the Crossroads (CROSSIN) Workshop, Speech Prosody 2024

2024   Iskarous, K., Cole, J., & **Sostarics, T.** (accepted). *Intonational tunes as compositional, but also autonomous, dynamical objects.* Oral presentation at Variance and invariance in phonological representation: Insights from articulation workshop, Laboratory Phonology 19

2024   **Sostarics, T.**, Ronai, E., & Cole, J. (accepted). *Relating scalar inference and alternative activation: A view from the rise-fall-rise tune in american english.* Oral presentation at Experiments in Linguistic Meaning 3.

2023   **Sostarics, T.**, & Cole, J. (2023). *Accommodation of rising and falling intonation in american english.* Poster presentation at the 28th Mid-Continental Conference on Phonetics and Phonology.

2023   **Sostarics, T.**, Ronai, E., & Cole, J. (2023). *Scalar inference and rise-fall-rise in american english: Towards a priming perspective.* Oral presentation at the Voices in Contexts workshop at The University of Cologne, Oct 12-13 2023.

2023 **Sostarics, T.**, & Cole, J. (2023). *Pitch Accent Variation and the Interpretation of Rising and Falling Intonation in American English.* Oral presentation at Interspeech 2023

2023 **Sostarics, T.**, & Cole, J. (2023). *Testing the Locus of Speech-Act Meaning in English Intonation.* Poster presentation at International Congress of the Phonetic Sciences 2023

2023 **Sostarics, T.**, & Cole, J. (2023). Tonal center of gravity predicts variation in the interpretation of rising and falling intonation in American English. *The Journal of the Acoustical Society of America*, *153*(3_supplement), A78–A78. Poster presentation at 184th Acoustical Society of America. ***1st Place Best Paper in Speech Communication Award.*** doi:10.1121/10.0018225

2022 **Sostarics, T.**, & Cole, J. (2022). *Exploring the voice quality of nuclear tunes.* Poster presentation at the 27th Mid-Continental Conference on Phonetics and Phonology.

2022 **Sostarics, T.**, & Cole, J. (2022). *What listeners can tell us about epistemic meaning and the LLL tune in american english.* Oral presentation at 96th Annual Meeting of the Linguistics Society of America.

2021 **Sostarics, T.**, & Cole, J. (2021). *Epistemic meaning and the LLL tune in american english.* Poster presentation at 1st International Conference on Tone and Intonation.

2021 **Sostarics, T.**, & Cole, J. (2021). *Assessing contrasts in intonation through contrasts in speaker commitment.* Oral presentation at the 26th Mid-Continental Conference on Phonetics and Phonology.

2020 **Sostarics, T.**, Walenski, M., Mesulam, M., & Thompson, C. (2020). *Adjective use by individuals with agrammatic primary progressive aphasia.* Poster presentation at Society for the Neurobiology of Language 2020.

2020 **Sostarics, T.**, Walenski, M., Mesulam, M., & Thompson, C. (2020). *Adjective use by individuals with agrammatic primary progressive aphasia.* Oral presentation at Academy of Aphasia 2020.

2019 Arkhipova, L., **Sostarics, T.**, Law, R., Xiang, M., & WingYee, C. (2019). *'Nonetheless' can reverse predictions immediately: Evidence from ERPs.* Poster presentation at AMLAP 2019

Invited Talks

2023 **Sostarics, T.** (2023). *Priming perspectives on pitch accents and rise-fall-rise.* Seminar in Semantics/Pragmatics. The University of Chicago, Apr 12 2023.

2021 **Sostarics, T.** (2021). *Pragmatic contributions of the L*L-L% contour in american english.* Language Evolution, Acquisition, and Processing Workshop. The University of Chicago, Feb 19 2023.

Public Outreach

2022 **Sostarics, T.** (2022). *Understanding how it's said: Speech and its melodies.* Taste of Science. Chicago, IL, Sep 12 2022.

SERVICE & LEADERSHIP ROLES

Northwestern University, Dept. of Linguistics

Cognitive Science Professional Development Workshop Facilitator	2023
Graduate Student Liaison	2022 – 2023
Admissions Committee Member	2020 – 2022

University of Chicago

Assistant Residential Director, Summer Session	2018 – 2019
Volunteer Instructor, SPLASH! at UChicago	2018
Resident Assistant, Housing and Residence Life	2016 – 2018
Resident Assistant, Chicago Academic Achievement Program	2017

Illinois Institute of Technology, Air Force ROTC Detachment 195

Cadet Wing Inspector General	Fall 2017

Physical Fitness Officer	Spring 2017
Big Event Planner	2016 – 2017
Webmaster	2016 – 2017
Flight Commander	Fall 2016

GRANTS, FELLOWSHIPS, AWARDS

International Phonetics Association
(€180) IPA Student Award (for Speech Prosody 2024)   May 2024

Acoustical Society of America
($250) 1st Place Best Paper in Speech Communication at 2023 Annual Meeting   May 2023

Northwestern University
($2077) Graduate Research Grant, Dept. of Linguistics   December 2023
($2970) Graduate Research Grant, The Graduate School   December 2022
($490) Graduate Research Grant, Dept. of Linguistics   October 2022
($435) Graduate Research Grant, Dept. of Linguistics   October 2022
($12,500) Data Science Fellowship, Northwestern Institute on Complex Systems   September 2019

University of Chicago
($500) Sapir Scholar Award   March 2018
($500) Sapir Scholar Award   January 2018

United Services Automobile Association (USAA)
($1500) Air Force ROTC Scholarship Award   November 2016

ADDITIONAL EDUCATION

University of Potsdam   August 2021
Summer School on Statistical Methods for Linguistics and Psychology: Introduction to Bayesian Data Analysis

University of Chicago   Spring 2021
Traveling Scholar: Cue Integration in Language Processing

SKILLS OVERVIEW

Interpersonal: Mentoring, teaching, team collaboration, communication, presentation skills
Languages: English (native), Japanese (advanced), Spanish (basic listening and reading)
Data Science: Project management, creating documented pipelines, automation
Statistics: Regression, classification, ordinal/rating data, Bayesian modeling, simulation
R Expertise: Package development, reproducible workflows, Shiny, RMarkdown, tidyverse, targets
Other Technologies: Python, SQL, JavaScript, bash scripting, git, Quarto, Qualtrics
Graphic Design: Data visualization and communication, ggplot2, Adobe Photoshop and Illustrator