

# Emily Grabowski

Curriculum vitae  
Last updated 9/15/23

## EDUCATION

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- December 2023      **PhD in Linguistics and Graduate Certificate in Applied Data Science.**  
*University of California*  
Dissertation: Methods in acoustic parameterizations: current practices and future directions  
Committee: Keith Johnson, Gasper Begus, Hannah Sande, Gopala Anumchapalli
- 2021                      **MA in Linguistics.**  
*University of California*
- 2018                      **A.B. cum laude in Linguistics and Mathematical Data Science.**  
*Dartmouth College*  
Honors Thesis (High Honors): Voice Quality and Tone in Santo Domingo Albarradas Zapotec  
Advisors: James Stanford and Laura McPherson

## EXPERIENCE

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- 2019-present          **Student staff**, Social Sciences D-Lab @ UC Berkeley. Duties include instructing workshops, developing and consulting on curriculum improvements, and training/mentoring new instructors.

## PUBLICATIONS

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- 2023                      Methodological trends in acoustic phonetic analysis. Emily Grabowski. *Proceedings of the 20th International Congress of Phonetic Sciences*. ([link](#))
- 2023                      Emily Grabowski and Jennifer Kuo. Comparing k-means and OPTICS clustering algorithms for identifying vowel categories. *Proceedings of the LSA 2023*. ([link](#))
- 2019                      DAPPr: A (semi)-automated tool for pitch annotation. Emily Grabowski and Laura McPherson. *Proceedings of the 19th International Congress of Phonetic Sciences*. ([link](#))

## CONFERENCE PRESENTATIONS

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- 2023                      Methodological trends in acoustic phonetic analysis. Emily Grabowski. Talk presented at the 2023 International Congress of Phonetic Sciences, Prague, Czechia.
- 2023                      Comparing k-means and OPTICS clustering algorithms for identifying vowel categories. Emily Grabowski and Jennifer Kuo. Talk presented at the 2023 LSA Annual Meeting, Denver, Colorado, USA.
- 2022                      Differential effects of pitch on perceived duration in linguistic and auditory tasks. Emily Grabowski, Poster presented at the 182nd meeting of the Acoustical Society of America, Denver Colorado, USA.
- 2018                      ATLAS (Automated Tone Level Annotation System): A tonologist's toolkit. Emily Grabowski and Laura McPherson. Talk presented at the Sixth International Symposium

on Tonal Aspects of Languages. Berlin, Germany.

- 2017 Tone sandhi in Teochew: new phonetic data from overseas speakers. Emily Grabowski. Talk presented at the 2nd International Symposium on Chinese Applied and Theoretical Linguistics. Milan, Italy.
- 2017 Voice quality in Santo Domingo Albarradas Zapotec. Emily Grabowski. Talk presented at the 2nd SLUGS (Society of Linguistic Undergraduates) Undergraduate Research Symposium. Berkeley, CA.
- 2017 Automated tone level annotation in the documentation of New Caledonian tone. Laura McPherson and Emily Grabowski. Talk presented at the 9th International Austronesian and Papuan Languages and Linguistics Conference. Paris, France.
- 2017 A semi-automated workflow for producing time-aligned intermediate tonal representations. Laura McPherson and Emily Grabowski. Talk presented at the 5th International Conference on Language Documentation and Conservation. Honolulu, HI, USA.

## SOFTWARE AND PROJECTS

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- 2023 Simple Survey Builder, command-line Python tool for surveying journal articles ([link](#))
- 2019 DAPPr: Dartmouth tool for Analysis of Pitch and Prosody. ([link](#))

## TEACHING EXPERIENCE

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- 2019-present Senior instructor, Social Sciences D-Lab, UC Berkeley.
- Python Workshops taught: Fundamentals (12 hrs), Data Wrangling and Data Visualization (6 hrs), Machine Learning (6 hrs), Deep Learning (6 hrs), Text analysis in Python (12 hrs).
- R Workshops taught: Fundamentals (12 hrs), Deep Learning (6 hrs).
- Redeveloped: Python Fundamentals, Python Machine Learning, Python Data Wrangling and Visualization.
- Co-developed: New Instructor Training Workshop (4-hrs)
- 2022-2023 Instructor, Workshop in Data Science and Social Justice (8-week summer workshop for graduate students, two summers), UC Berkeley.
- 2020 Teaching assistant, Bay Area Summer Institute in Computational Social Science. (2-week summer school).
- 2016 Teaching assistant, Introduction to Linguistics, Dartmouth College.

## INVITED TALKS

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- 2022 *From text to numbers*, Undergraduate computer science course, Lewis & Clark College.

2022	<i>Introduction to deep learning for text analysis</i> , Computational Training in Social Science Program, three-hour module, UC Berkeley.
2019	<i>Effects of pitch on perceived duration</i> , University of Washington Phonetics Lab meeting.

## NON-DEGREE EDUCATION

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2022	Acoustical Society of America School 2022, Denver Colorado, USA
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## HONORS AND AWARDS

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2018	Academic Achievement Award in Linguistics, Dartmouth College
2017	Neukom Institute Prize for Outstanding Undergraduate Research in Computational Science, First Place

## FELLOWSHIPS AND GRANTS

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2023	Invitation and Travel Grant, Academic Data Science Alliance Leadership Summit, Boston, Massachusetts, USA.
2022	Travel Grant, Biological and Environmental Data Education Network Meeting, Montreal, Canada.
2022	Travel Grant, AudioXD workshop, Pittsburgh, Pennsylvania, USA.
2019-2022	National Science Foundation Graduate Research Fellowship.
2017-2018	Stamps Charitable Foundation Scholar. <i>Project: Tone sandhi in Teochew.</i>
2017	Honors thesis and leave-term research grants from the Leslie Embs Bradford 1977 and Charles C Bradford Fund for Undergraduate Research, Dartmouth College.
2017	Office of Undergraduate Advising and Research Conference Travel Award, Dartmouth College
2016-2017	Neukom Foundation Scholar and James O. Freedman Presidential Scholar Project: Computational tool for the analysis of tone (ATLAS)
2016	Center for the Advanced Study of Language (CASL) Summer Language Science Scholar. Project: Designing methods to crowdsource data for online language map. Advised by Tess Wood.

## MENTORSHIP

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2022-present	Lead mentor for new workshop instructors, D-Lab, UC Berkeley. Two cohorts of 12 graduate students.
2019-2020	Language Research Apprentice Program, UC Berkeley. Mentored two undergraduates on experimental procedures. Project: Effect of f0 on perceived duration of tone
2019-2020	Data Science Discovery Project partner, UC Berkeley. Mentored a team of six undergraduates to develop a neural net processing pipeline. Project: Exploring automatic phonetic transcription

## SERVICE

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2022-2023	Coordinator, Phonetics reading group at UC Berkeley.
2019-2020	Organizer, Phorum speaker series at UC Berkeley
2019	Organizing committee, Berkeley Linguistics Society Workshop