

# Chadi Ben Youssef

POSTDOCTORAL RESEARCHER · CORPUS & COMPUTATIONAL LINGUISTICS

University of Neuchâtel, Switzerland

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## Education

### University of California, Santa Barbara

PH.D., LINGUISTICS

- Advisor: Stefan Th. Gries

Santa Barbara, CA, USA

2018 - 2024

### University Paris 8, Vincennes – Saint-Denis

M.A., LINGUISTICS

- Advisor: Dylan Glynn

Saint-Denis, France

2015 - 2018

### University Paris 8, Vincennes – Saint-Denis

B.A., ENGLISH PHILOLOGY (LLCE)

- Minor in Media and Cultural Studies

Saint-Denis, France

2012 - 2015

## Professional Experience

### Postdoctoral Researcher

DEPT. OF ENGLISH | UNIVERSITY OF NEUCHÂTEL

- Creating a model network of constructions from the COHA.
- Creating constructional profiles for lexical items.
- Data analysis.
- Publications.
- Advising PhD students.

Neuchâtel, Switzerland

2024-2028

### Teaching Associate

DEPT. OF LINGUISTICS & DEPT. FRENCH | UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Designed teaching and assessment material.
- Lectured and/or conducted discussions.
- Designed activities and assignments using GitHub and GitHub classroom.
- Managed Teaching Assistants.

Santa Barbara, CA, USA

2021-2023

### Graduate Student Researcher

COMPUTATIONAL PSYCHOLINGUISTICS OF LISTENING AND SPEAKING LAB (CPLS)

- Collected, managed, and curated data.
- Developed software.
- Conducted experiments.

Santa Barbara, CA, USA

2021-2022

### Teaching Assistant

DEPT. OF LINGUISTICS & DEPT. OF FRENCH | UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Conducted discussion sections and labs.
- Held office hours.
- Graded assessment activities.

Santa Barbara, CA, USA

2019-2024

### Chair's Assistant

DEPT. OF LINGUISTICS | UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Assisted in administrative, pedagogical, and research tasks.

Santa Barbara, CA, USA

2018-2019

### Lecturer

DEPT. OF FRENCH & ITALIAN | UNIVERSITY OF CALIFORNIA, SANTA BARBARA

- Lectured on French language, linguistics, and literature.
- Graduate and undergraduate levels.

Santa Barbara, CA, USA

2016-2021

## Research Assistant

LINGUISTIQUE EMPIRIQUE : COGNITION, SOCIÉTÉ ET LANGAGE (LECEL) | UNIVERSITY PARIS 8

- Managed, and curated data.

Saint-Denis, France

2015-2016

## High School Instructor

ACADÉMIE DE CRÉTEIL

- Instructed English at high school level.

Académie de Créteil, France

2015-2016

## Research Experience

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### Dept. of Linguistics | University of California, Santa Barbara

CA, USA

DISSERTATION WORK | SUPERVISOR: STEFAN TH. GRIES

2023-24

- Project: mMerge: a Corpus Linguistics informed Multi-Word Expression detection algorithm.
- Tasks: Algorithm development and optimization in Julia, Optimization of the corpus measures used, Research Assistants team management.
- Tools: Python, R, Julia.

### Computational Psycholinguistics of Listening and Speaking Lab (CPLS)

CA, USA

GRADUATE STUDENT RESEARCHER (GSR) | SUPERVISOR: SIMON TODD

2021-22

- Project: language structure, attitudes, and learning from ambient exposure: Lexical and phonotactic knowledge of Spanish among non-Spanish-speaking Californians and Texans.
- Tasks: Data curation, Investigation, Methodology, Software, Writing – original draft, Writing – review & editing, Writing – additional material.
- Tools: Python, R, MTurk, HTML, JavaScript, language modeling.

## Publications

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### PUBLISHED/ACCEPTED

**Ben Youssef, C., & Gries, S. Th.** (2023). Code-switching in Tunisian Arabic: a multifactorial random forest analysis. *Corpora*, 18(3). [Download here.](#)

Todd, S., **Ben Youssef, C.**, & Vasquez, A. (2023). Language structure, attitudes, and learning from ambient exposure: Lexical and phonotactic knowledge of Spanish among non-Spanish-speaking Californians and Texans. *PLoS ONE*, 18(4). [Download here.](#)

Willis, C., & **Ben Youssef, C.** (2023). Random bisexual forests: Intersections between gender, sexuality, and race in /s/ production. [Download here.](#)

### IN PRESS

**Ben Youssef, C.**, & de la Fuente, A. (in press). 'I wear combat boots on my tongue': a random forest analysis of stance taking and evaluation in the radical-right media.

### SOFTWARE AND CORPORA

**Ben Youssef, C.** (2023). CorpusMetrics: Frequency, Dispersion, Association, and Entropy in text corpora with Julia [Julia Package].

**Ben Youssef, C.** (unpublished). The Savage Nation Conversations Corpus: a collection of semi-automatically transcribed phone conversations aired live in a radical-right radio show.

## Presentations

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### INVITED TALKS

**Ben Youssef, C.** (2024). Towards interpretable Machine Learning for linguistic analysis: the case of Code-Switching in a low resource language. **Job talk:** Statistics/Linguistics joint seminar, University of California Davis, CA, USA.

- Ben Youssef, C.** (2021). 'I wear combat boots on my tongue': a multivariate study of stance taking and evaluation in a radical-right radio show. **Invited talk:** Language Interaction and Social Organization (LISO) Colloquium, University of California, Santa Barbara, CA, USA.
- Ben Youssef, C.** (2019). Bridging the gap: discourse subtleties and quantitative study. Language, Race, and Ethnicity (class), University of California, Santa Barbara, CA, USA.

## CONFERENCE PRESENTATIONS AND POSTERS

- Ben Youssef, C.** & Gries, S. Th. (2023). Code-switching in Tunisian Arabic: a multifactorial random forest analysis. Oral presentation: Corpus Linguistics 23, Lancaster University, United Kingdom.
- Simon Todd, **Ben Youssef, C.**, & Alonso Vásquez-Aguilar. (2023). Attitudes moderate implicit knowledge of Spanish among non-Spanish-speaking Californians and Texans. Oral presentation: LSA 97th Annual Meeting, Denver, Co., USA.
- Chloe Willis, & **Ben Youssef, C.** (2023). Random bisexual forests: Intersections between gender, sexuality, and race in /s/ production. Oral presentation: LSA 97th Annual Meeting, Denver, Co., USA.
- Ben Youssef, C.** (2021). 'I wear combat boots on my tongue': A multivariate study of stance taking and evaluation in a radical-right radio show. Oral presentation: AILA 2021, Groningen, Netherlands.
- Ben Youssef, C.** & Gries, S. Th. (2021). Code-switching in Tunisian Arabic: a pilot study. Oral presentation: Corpus Linguistics 21, University of Limerick and Mary Immaculate College, Ireland.
- Ben Youssef, C.** (2019). Stance and Hyper-articulation: Vowel Space Expansion in Michael Savage's Stance Expression. Poster: New Ways of Analyzing Variation (NWA) 48, University of Oregon, Eugene, OR, USA.
- Ben Youssef, C.** (2019). 'I wear combat boots on my tongue': Pseudo-interaction, stance and style in the far-right media discourse. Oral presentation: LISO 25, University of California, Santa Barbara, CA, USA.
- Ben Youssef, C.** (2016). An Empirical approach to Critical Discourse Analysis: A multivariate study on the reproduction of the discourses of racism in the media. Oral presentation: AELCO 10, Madrid, Spain.

## Teaching Experience

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### INSTRUCTOR OF RECORD

Fall 22	<b>LING 102. Programming for Linguists</b> , Teaching Associate	UCSB
Summer 22	<b>LING 180. Language, Race, and Ethnicity</b> , Teaching Associate	UCSB
Spring 22	<b>FR 3. Elementary French</b> , Lead TA	UCSB
Winter 22	<b>LING 110. Foundations of Computational Linguistics</b> , Teaching Associate	UCSB
Summer 21	<b>FR 4. Intermediate French</b> , Teaching Associate	UCSB

### TEACHING ASSISTANT

Spring 24	<b>LING 105. Predictive Modeling in Linguistics</b> , Teaching Assistant	UCSB
S 20/23	<b>LING 111. Advanced Computational Linguistics</b> , Teaching Assistant	UCSB
W 20/23	<b>LING 110. Foundations of Computational Linguistics</b> , Teaching Assistant	UCSB
Fall 20/21	<b>LING 102. Programming for Linguists</b> , Teaching Assistant	UCSB
Spring 21	<b>LING 120. Corpus Linguistics</b> , Teaching Assistant	UCSB
S 20/W 24	<b>LING 104. Statistical Methods in Linguistics</b> , Teaching Assistant	UCSB
Summer 19	<b>LING 180. Language, Race, and Ethnicity</b> , Teaching Assistant	UCSB
Spring 19	<b>LING 15. Language in Life</b> , Teaching Assistant	UCSB

### LECTURER

2018	<b>FR 11A-B. French for Graduate Students</b> , Lecturer	UCSB
2016-18	<b>FR 1-6. Elementary and Intermediate French</b> , Lecturer	UCSB

### HIGH SCHOOL INSTRUCTOR

2015-16	<b>English Second Language</b> , Principal Teacher	France
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## Awards, Fellowships, & Grants

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2024	<b>Postdoctoral Fellowship</b> , Swiss National Science Foundation	350,000 CHF
2023	<b>Graduate Student Association Excellence in Teaching Award</b> , University of California UCSB	(nominated)
2022	<b>Graduate Fellowship</b> , Dept. of Linguistics, University of California UCSB	\$ 8,000
2021	<b>Graduate Fellowship</b> , Dept. of Linguistics, University of California UCSB	\$ 8,000
2020	<b>Academic Senate Outstanding Teaching Assistant Award</b> , University of California UCSB	(nominated)
2019	<b>Departmental Grant</b> , Dept. of Linguistics, University of California UCSB	\$ 1,000
2016	<b>Exchange Fellow</b> , University Paris 8 Vincennes – Saint-Denis	

## Service & Professional Memberships

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### SERVICE AND OUTREACH

2025	<b>Scientific Data</b> , Reviewer	Nature
2024	<b>Corpus Linguistics and Linguistic Theory</b> , Reviewer	CLLT
2021	<b>Department of Linguistics</b> , Faculty Search Committee member	UCSB
2019-2020	<b>Graduate Student Association</b> , Department representative	UCSB
2019-2020	<b>Department of Linguistics</b> , Graduate students representative	UCSB
2015	<b>Language in Contrast</b> , Conference student assistant	Paris 8
2013-2014	<b>Department of English</b> , Chief editor of the dept. blog	Paris 8

### PROFESSIONAL MEMBERSHIPS

since 2021	<b>Computational Psycholinguistics of Listening and Speaking Lab (CPLS)</b> , Member
since 2018	<b>Linguistic Society of America</b> , Member

## Computer & Language Skills

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### COMPUTER SKILLS

**Programming Languages:** R, Python, Julia.

**Scripting Languages:** Bash, JavaScript.

**Markup:** HTML, XML, LaTeX, Markdown.

**Educational tools:** Github classroom, Moodle, Canvas.

### LANGUAGES

**(N)ative/(F)luent:** Tunisian Arabic (N), French (N), MS Arabic (F), English (F).

**Notions:** German, Russian.

## Mentoring

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2024	<b>Luke Dillon</b> , Research Assistant/Collaborator, at UCSB
2024	<b>Nana Richter</b> , Research Assistant, at UCSB
2023	<b>Josephine Kamavinga</b> , Research Assistant, at UCSB
2023	<b>Daniel Yeung</b> , Research Assistant, at UCSB
2020-2021	<b>Antón de la Fuente</b> , Research Assistant/Collaborator, at UCSB
2020-2021	<b>David Arriaza</b> , Senior Thesis advisee, at UCSB
2018-2019	<b>Erika Prado</b> , Senior Thesis advisee, at UCSB