

Ian Rigby

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Summary

A psycholinguist trained in experimental design, data visualization, and statistical analysis. Experienced in corpus linguistics, sentence processing, computational phonology, and internet linguistics. Passionate about utilizing linguistic information to augment business and research strategies.

Skills

COMPUTER SKILLS

- PROGRAMMING LANGUAGES: R, Python
- SOFTWARES: Praat, Audacity, Microsoft Office, Adobe Creative Suite
- OTHER: \LaTeX , HTML, CSS

NATURAL LANGUAGES

French (intermediate level)

Experience

Ph.D. Student | University of Southern California

Los Angeles, CA | 2018-2023

DISTINCTIONS

- Received a 4-week research grant (June 2019) to document the endangered language Ladin in South Tyrol, Italy

DATA COLLECTION

- Designed and implemented online experiments to collect linguistic data using forced-choice tasks, sentence completion tasks, and judgment tasks — hosted on (P)IbexFarm
- Constructed a novel corpus of 486 name blends, scraped from online postings (e.g., Twitter, Tumblr)
- Created visual and acoustic experimental stimuli using Photoshop & Praat respectively
- Ran over 350 participants, recruited through Amazon Mechanical Turk

DATA PROCESSING

- Transcribed written English into IPA and X-SAMPA both manually and automatically
- Annotated corpus data for phonological, lexical, and sociological features
- Wrangled and cleaned data in R from over a dozen experiments for eventual analysis

DATA ANALYSIS AND VISUALIZATION

- Conducted statistical analyses using linear and generalized mixed effects models, regressions, and ANOVAs
- Produced visualizations for presentations and papers using ggplot2

TEACHING: HUMAN LANGUAGE AND TECHNOLOGY

- Taught introductory concepts in linguistics (e.g., acoustics, phonology), NLP (e.g., neural networks, speech synthesis), and programming in Python (e.g., for-loops)
- Instructed approximately 160 students over 4 semesters
- Averaged a 4.92/5 rating from students on both instructional ability & inclusion practices

Lab Manager | University of Washington

Seattle, WA | 2017-2018

RESEARCH

- Built eye-tracking experiments (reading & visual world) on an SR Eyelink 1000 Plus
- Recruited over 150 adult participants and over 50 child participants for psycholinguistic experiments
- Analyzed temporal data (e.g., reaction, reading, and looking times) in R
- Animated visual experimental stimuli using DaVinci Resolve and Adobe Premiere Pro

MANAGEMENT

- Supervised a team of graduate and undergraduate researchers on experimental design and implementation
- Balanced all laboratory finances and budgeting, including multiple NSF grant accounts
- Hosted community events across the Greater Seattle area to recruit potential participants (60+ special population participants)

Education

University of Southern California

- M.A. in Linguistics 2020

University of California, Los Angeles

- B.A. in Psychology, *magna cum laude* 2017

Other

SERVICE

2018-2021

Event coordinator | USC Dept. of Linguistics

Organizer & Abstract Reviewer | 2nd California Annual Meeting of Psycholinguistics