

DANIEL ANTONIO RAZO

Applied Mathematician in Data Science and Linguistics

 DanielRazoFlores  razodan

EDUCATION

M.C.S. Computer Science

Utah Valley University

 August 2022 - Current

Research: Decision tree pruning via residuals of high-dimensional linear regression (in progress)

M.A. Linguistics, emphasis in Formal Semantics

University of Utah

 August 2018 – June 2020

Thesis title: *Spanish adverbials: scales and repetition*

B.A. Linguistics

University of Utah

 January 2016 – May 2017

PROJECTS & PUBLICATIONS

Projects

- Razo, Daniel (2022a). *Practice with Kalman Filtering*. URL: <https://github.com/razodan/kalmanfilter>.
- (2022b). *Teaching Assignments with Integer Programming*. URL: https://github.com/razodan/scheduling_assignments.

Thesis

- Razo, Daniel (2024). “Pruning decision trees via residuals of high-dimensional multiple linear regression”. Orem, UT: Utah Valley University.
- (2020). “Spanish adverbials: Scales and repetition”. Salt Lake City, UT: University of Utah.

Presentations

- Razo, Daniel (2023). *An Intro to Natural Language Processing*. Utah Valley University Data Science Club Master Class Series.
- (2019). *Ya, todavía, and aún: Towards formalizing some meanings and uses of Spanish aspectual adverbials*. University of Utah Student Conference in Linguistics (UUSCIL).
- Razo, Daniel, Aniko Csirmaz, and Benjamin Slade (2019). *Spanish aspectual adverbials*. 49th Meeting of the Linguistic Association of the Southwest (LASSO).
- Razo, Daniel (2018). *Repetitives in Spanish, from older varieties to Modern Spanish*. University of Utah Undergraduate Research Symposium (URS).
- Razo, Daniel and Joselyn Rodriguez (2018). *Synchronic and diachronic analyses of compensatory lengthening*. University of Utah Student Conference in Linguistics (UUSCIL).
- Razo, Daniel, Yulia Brown, et al. (2017). *Welcome to the python ramen bar*. University of Utah Student Conference in Linguistics (UUSCIL).

EXPERIENCE

Instructional Assistant Lab Manager


Utah Valley University Dept. of Computer Science

 May 2022 – Current

Artificial Intelligence, Database Management, Causal Inference, Operating Systems, C++ Programming, Intro to Algorithms

Adjunct Instructor

Utah Valley University

 May 2023 – August 2023

C++ Programming, Intro to Algorithms

Teaching Assistant

University of Utah College of Humanities

 August 2018 – May 2020

Syntax, Semantics, Phonetic & Phonology, Bad Words & Taboo Terms

SKILLS

Kalman Filtering	Integer Programming
Causal Inference	Abstract Algebra
Linear Regression	Decision Trees
Tensorflow	Jupyter
	Pandas

PROGRAMMING LANGUAGES

Python	<div><div></div><div></div><div></div><div></div><div></div></div>
C/C++	<div><div></div><div></div><div></div><div></div><div></div></div>
TeX	<div><div></div><div></div><div></div><div></div><div></div></div>
PostgreSQL	<div><div></div><div></div><div></div><div></div><div></div></div>

NATURAL LANGUAGES

English	<div><div></div><div></div><div></div><div></div><div></div></div>
Spanish	<div><div></div><div></div><div></div><div></div><div></div></div>
Italian	<div><div></div><div></div><div></div><div></div><div></div></div>
Mandarin Chinese	<div><div></div><div></div><div></div><div></div><div></div></div>