

Elena Álvarez Mellado

Information Sciences Institute, University of Southern California

email: elavarezmellado@gmail.com

URL: <http://lirondos.github.io>

Research interests

Computational Linguistics • Natural Language Processing • Corpus Linguistics

Education

- 2018-2020 MS Computational Linguistics, Brandeis University (GPA: 3.95/4.00)
Coursework: *Fundamentals of Computational Linguistics*; *Statistical & Neural Approaches to NLP*; *NLP Systems: Named-Entity Recognition*; *NLP in Python*; *Information Extraction*; *Linguistic Annotation for Machine Learning*; *Data Structures & Algorithms*; *Advanced Programming in Java*.
Thesis: *Lázaro: An Extractor of Anglicisms in Spanish Newswire*. Advisor: Constantine Lignos.
- 2008-2010 BA Linguistics, Universidad Complutense de Madrid (Grade: 7.59/10)
Erasmus scholarship at Université Paris Diderot (Paris 7) in 2009
Final project: *AZRAEL. A-Z Reconocedor Automático de Español*. Advisor: Eduardo Basterrechea.
- 2005-2008 Medical School, Universidad Complutense de Madrid (Three years completed. No degree awarded)

Research & Professional Experience

- 2020- Research Programmer, Information Sciences Institute, University of Southern California (USA)
- 2019 Research Data Analyst, McLean Hospital, Harvard Medical School (Massachusetts, USA)
- 2017-2018 Research Assistant, Digital Humanities Lab, Universidad Nacional de Educación a Distancia (Spain)
- 2015-2016 Linguistic Data Analyst, Fundación del Español Urgente (Fundéu) (Madrid, Spain)
- 2010-2016 Analytical Linguist, Molino de Ideas (Madrid, Spain)
- 2010 Internship student, Lingway-Eptica (Paris, France)
- 2009 Internship student, Molino de Ideas (Madrid, Spain)
- 2008 Research Assistant, Department of Linguistics, Universidad Complutense de Madrid (Spain)
- 2005 Research Assistant, Department of Cell Biology, Universidad Complutense de Madrid (Spain)

Skills

Coding: Python (spaCy, NLTK, sklearn, PyTorch), Java. Familiar with: Prolog, Haskell, MySQL.

Languages: Spanish (native), English (fluent; CEFR: C2; TOEFL: 112; CPE: A), French (basic).

Scholarships & awards

- 2020 Karen Spärck Jones Award for Outstanding Achievement in NLP (Brandeis University).
- 2017 Premio Nacional de Periodismo Miguel Delibes (Asociación de Prensa de Valladolid).
- 2017 LaCaixa scholarship for Graduate Studies in the United States (Fundación LaCaixa).
- 2009 First award at the Arquímedes National Contest for Young Researchers (Ministerio de Ciencia)
- 2005 Academic Excellence Award (Comunidad de Madrid)

Publications

CONFERENCE PAPERS

- 2020 **Elena Álvarez Mellado**. A corpus of Spanish political speeches from 1937 to 2019. *Proceedings of The 12th Language Resources and Evaluation Conference (LREC)*. Marseille, France. <https://www.aclweb.org/anthology/2020.lrec-1.116/>
- 2020 **Elena Álvarez Mellado**. An Annotated Corpus of Emerging Anglicisms in Spanish Newspaper Headlines. *Proceedings of the 4th Workshop on Computational Approaches to Code Switching*. Marseille, France. <https://www.aclweb.org/anthology/2020.calcs-1.1>
- 2019 **Elena Álvarez Mellado**, Eben Holderness, Nicholas Miller, Fyonn Dhang, Philip Cawkwell, Kirsten Bolton, James Pustejovsky and Mei-Hua Hall. Assessing the Efficacy of Clinical Sentiment Analysis and Topic Extraction in Psychiatric Readmission Risk Prediction. *Workshop on Health Text Mining and Information Analysis at EMNLP 2019*. Hong Kong, China. <https://arxiv.org/pdf/1910.04006.pdf>
- 2017 **Elena Álvarez Mellado** and Leticia Martín-Fuertes Moreno. Aracne: estudio de la variación lingüística en la prensa española entre 1914 y 2014. In *III Congreso de la Sociedad Internacional de Humanidades Digitales Hispánicas*. Málaga, Spain. <http://doi.org/10.5281/zenodo.2581090>

JOURNAL ARTICLES

- 2018 **Elena Álvarez Mellado** and Leticia Martín-Fuertes Moreno. Aracne: estudio de la variación lingüística en la prensa española entre 1914 y 2014. *Artnodes*, (22). <http://doi.org/10.7238/a.voi22.3209>

BOOKS

- 2016 **Elena Álvarez Mellado**, *Anatomía de la Lengua*, Larousse-Vox, ISBN 978-84-9974-216-8

Invited talks

- Jun 2018 *Aplicaciones y posibilidades del procesamiento del lenguaje natural para la investigación en humanidades*. Digital Humanities Summer School, Universidad Nacional de Educación a Distancia (Madrid).
- Jun 2018 *Nacimiento, vida y muerte de una metáfora*, Universidad Nacional de Educación a Distancia (Madrid).
- Mar 2018 *El lenguaje de la prensa: una radiografía lingüística*, XX Jornadas de Estudios de Lingüística (XX JELUA). Universidad de Alicante (Alicante).
- Mar 2017 *La lematización de textos*, Seminario Filologías Digitales hoy. Universidad de Extremadura (Cáceres).
- Nov 2016 *Lingu ¿qué? Compu ¿cómo?* Universidad de Alicante (Alicante).
- Dec 2015 *La lengua a disección*. Fundación Sierra Pambley (León).
- Mar 2015 *Vivir (de) la lengua*, Universitat Rovira i Virgili (Tarragona)
- Mar 2014 *Cacharreando con la lengua. Recursos informáticos para filología*, Universidad de Zaragoza (Zaragoza).
- Dec 2013 *Todo lo que un filólogo no sabe que sabe hacer*, grupo Psylex, Universidad de Zaragoza (Zaragoza).
- Dec 2012 *Nuevas tecnologías aplicadas a la enseñanza de español*, Universidad de Alcalá de Henares (Madrid).
- Nov 2011 *Lenguas y Tecnología*, XI Semana de la Ciencia de la Comunidad de Madrid (Madrid).

Dissemination & Outreach

- 2018- Editorial board member and columnist at *Archiletras*, magazine about language and Linguistics.
- 2018- Scientific committee member for *MariCorners* conference on LGBT language and communication.
- 2017- Language columnist for Spanish newspaper *eldiario.es*.
- 2012-2015 Radio contributor at RNE (Spanish National Radio) on a weekly section about Linguistics.

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