

JESÚS ARMENTA-SEGURA

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PAPERS

My Erdos Number is 3. (I'm coautor of Sergio Rajsbaum, who are coautor of Shlomo Moran and who worked with Paul Erdos).

👥 Conference Proceedings

- J. Armenta-Segura and G. Sidorov, "Anime success prediction based on synopsis using traditional classifiers," Jun. 2023, To be Published at 'Research in Computer Science'.
- J. Armenta-Segura, J. Ledent, and S. Rajsbaum, "Two-agent approximate agreement from an epistemic logic perspective," *Computación y Sistemas*, vol. 26, no. 2, 2022. [Online]. Available: <https://cys.cic.ipn.mx/ojs/index.php/CyS/article/view/4234>.
- O. E. Ojo, A. Gelbukh, H. Calvo, A. Feldman, O. O. Adebajji, and J. Armenta-Segura, "Language identification at the word level in code-mixed texts using character sequence and word embedding," pp. 1–6, Dec. 2022. [Online]. Available: <https://aclanthology.org/2022.icon-wlli.1>.

RESEARCH INTERESTS

Digital Humanities, Discourse Studies and Sentiment Analysis.

Natural Language Processing (as a tool for Digital Humanities).

Machine and Deep learning algorithms (as a tool for NLP).

SKILLS

Python

PyTorch

Transformers

NLP

LaTeX

Academic Paper Writing

Team Management

Lecturer

Curious and fast learner

EDUCATION

Ph.D. in Computational Linguistics

Instituto Politécnico Nacional (México)

📅 Aug 2022 – Ongoing

Project: Anime Popularity Prediction Based on Synopsis with Deep Learning Techniques.

Advisor: Dr. Grigori Sidorov

M.Sc. in Pure Mathematics

Universidad Nacional Autónoma de México

📅 Aug 2020 – June 2022

Advisor: Dr. Sergio Rajsbaum

B.Sc. in Pure Mathematics

Universidad Nacional Autónoma de México

📅 Aug 2015 – June 2020

Advisor: Dr. Sergio Rajsbaum

ACHIEVEMENTS



Sotero Prieto Prize

3rd best pure mathematics undergraduate thesis of all Mexico.



Hope@IberLEF

4th place in detecting hope speech towards LGBT+ population.

📄 Shared Tasks and Contests

- J. Armenta-Segura, C. Núñez-Prado, G. Sidorov, A. Gelbukh, and R. Román-Godínez, "Omoteotl@multimodal hate speech event detection 2023: Hate speech and text-image correlation detection in real life memes using pre-trained bert models over text," in *Proceedings of the VI workshop on Challenges and Applications of Automated Extraction of Socio-political Events from Text (CASE @ RANLP 2023)*, Varna, Bulgaria, Sep. 2023.
- M. Shahiki-Tash, J. Armenta-Segura, Z. Ahani, O. Kolesnikova, G. Sidorov, and A. Gelbukh, "Lidoma at homo-mex2023@iberlef: Hate speech detection towards the mexican spanish-speaking lgbt+ population. the importance of preprocessing before using bert-based models," in *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2023) co-located within the XXXIX International Conference of the Spanish Society for Natural Language Processing (SEPLN 2023)*, Jaén, Andalusia, Spain, Sep. 2023.
- M. Shahiki-Tash, J. Armenta-Segura, Z. Ahani, O. Kolesnikova, G. Sidorov, and A. Gelbukh, "Lidoma@dravidianlangtech: Convolutional neural networks for studying correlation between lexical features and sentiment polarity in tamil and tulu languages," in *Proceedings of the III Workshop on Speech and Language Technologies for Dravidian Languages (DravidianLangTech-2023 @ RANLP 2023)*, Varna, Bulgaria, Sep. 2023.
- M. Shahiki-Tash, J. Armenta-Segura, O. Kolesnikova, G. Sidorov, and A. Gelbukh, "Lidoma at hope2023@iberlef: Hope speech detection using lexical features and convolutional neural networks," in *Proceedings of the Iberian Languages Evaluation Forum (IberLEF 2023) co-located within the XXXIX International Conference of the Spanish Society for Natural Language Processing (SEPLN 2023)*, Jaén, Andalusia, Spain, Sep. 2023.

ACADEMIC EXPERIENCE

Paper Reviewer

“Computación y Sistemas” Journal

📅 2023

📍 México

- I reviewed two papers submitted to a mexican journal about recent findings in computation on latinamerica, called *Computación y Sistemas* (www.cys.cic.ipn.mx). *The journal is in english.*

Assistant Profesor

Faculty of Sciences, UNAM

📅 jan 2019 – aug 2021

📍 México

- **feb-jul 2021**
 - Calculus I (in spanish)
- **aug-dec 2020**
 - Calculus I (in spanish)
- **feb-jul 2020**
 - Differential Equations I (in spanish)
 - Analytic Geometry I (in spanish)
- **aug-dec 2019**
 - Introduction to Abstract Algebra I (Álgebra Superior I)
 - Calculus I (in spanish)
- **feb-jul 2019**
 - Differential Equations I (in spanish)

LANGUAGES

Spanish (*native*)



English



OTHER INTERESTS

- Heroic Fantasy **Writer**.
- Comic/Manga/Tebeo **cartoonist** (still learning).
- **Guitar Player**.
- **Musical Composer/Enjoyer**.
- **Amateur historian**.