

# 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).

### 👤 Publication in Journals

“Two-agent approximate agreement from an epistemic logic perspective”

J. Armenta-Segura J. Ledent, and S. Rajsbaum.

*Computación y Sistemas*, vol. 26, no. 2, 2022.

Available at: [cys.cic.ipn.mx/ojs/index.php/CyS/article/view/4234](https://cys.cic.ipn.mx/ojs/index.php/CyS/article/view/4234).

### 👤 Conference Proceedings

“Anime success prediction based on synopsis using traditional classifiers”

J. Armenta-Segura and G. Sidorov.

*Jun. 2023. Published at 'Research in Computer Science'*

Available at: [rcs.cic.ipn.mx/2023\\_152\\_9](https://rcs.cic.ipn.mx/2023_152_9)

“Language identification at the word level in code-mixed texts using character sequence and word embedding”

O. E. Ojo, A. Gelbukh, H. Calvo, A. Feldman, O. O. Adebajji, and J. Armenta-Segura.

*In Proceedings of the 19th International Conference on Natural Language Processing (ICON)*

Available at: [aclanthology.org/2022.icon-wlli.1](https://aclanthology.org/2022.icon-wlli.1)

### 👤 Participation in Shared Tasks and Contests

“Ometeotl@multimodal hate speech event detection 2023: Hate speech and text-image correlation detection in real life memes using pre-trained bert models over text”

J. Armenta-Segura, C. Núñez-Prado, G. Sidorov, A. Gelbukh, and R. Román-Godínez.

*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.*

Available at: [aclanthology.org/2023.case-1.7/](https://aclanthology.org/2023.case-1.7/)

“Lidoma at hope2023@iberlef: Hope speech detection using lexical features and convolutional neural networks”

M. Shahiki-Tash, J. Armenta-Segura, O. Kolesnikova, G. Sidorov, and A. Gelbukh.

*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.*

Available at: [ceur-ws.org/Vol-3496/hope-paper4.pdf](https://ceur-ws.org/Vol-3496/hope-paper4.pdf)

## RESEARCH INTERESTS

Natural language processing, digital humanities, discourse studies, sentiment analysis, machine and deep learning algorithms and tools.

## 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.

“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@RANLP2023), Varna, Bulgaria, Sep. 2023.*

Available at: [aclanthology.org/2023.dravidianlangtech-1.25/](https://aclanthology.org/2023.dravidianlangtech-1.25/)

“Lidoma at homo-mex2023@iberlef: Hate speech detection towards the mexican spanish-speaking lgbt+ population. the importance of preprocessing before using bert-based models”

M. Shahiki-Tash, J. Armenta-Segura, Z. Ahani, O. Kolesnikova, G.Sidorov, and A. Gelbukh.

*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.*

Available at: [ceur-ws.org/Vol-3496/homomex-paper1.pdf](https://ceur-ws.org/Vol-3496/homomex-paper1.pdf)

## ACADEMIC EXPERIENCE

### Paper Reviewer

“Computación y Sistemas” Journal

📅 2023

📍 México

I reviewed two papers submitted to this Mexican journal about recent findings in computation on Latinamerica, called *Computación y Sistemas* ([www.cys.cic.ipn.mx](http://www.cys.cic.ipn.mx)). *The journal is in English.*

### Assistant Professor

Faculty of Sciences, UNAM

📅 jan 2019 – aug 2021

📍 México

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