

Publications of Felipe Bravo-Marquez by year

Year 2019

1. Felipe Bravo-Marquez, Steve Reeves, Martín Ugarte. Proof-of-Learning: a Blockchain Consensus Mechanism based on Machine Learning Competitions. In *Proc. 1st IEEE International Conference on Decentralized Applications and Infrastructures (DAPPCON)*, pp. 119-124, Apr 2019. IEEE Computer Society Press, Los Alamitos, CA, USA.
2. Felipe Bravo-Marquez, Steven Lang, Eibe Frank, Christopher Beckham, Mark Hall. WekaDeepLearning4j: a Deep Learning Package for Weka based on DeepLearning4j. *Knowledge-Based Systems (KBS)* 178:48-50, 2019. Elsevier Science, Amsterdam, The Netherlands. ISSN 0950-7051.
3. Felipe Bravo-Marquez, Eibe Frank, Bernhard Pfahringer, Saif M. Mohammad. AffectiveTweets: a Weka Package for Analyzing Affect in Tweets. *Journal of Machine Learning Research (JMLR)* 20(92):1-6, May 2019. Microtome Publishing. ISSN 1532-4435.
4. David Trye, Andreea Calude, Felipe Bravo-Marquez, Te Taka Keegan. Maori Loanwords: A Corpus of New Zealand English Tweets. In *Proc. Conference of the Association for Computational Linguistics: Student Research Workshop (ACL-SRW)*, pp. 136-142, 2019. Association for Computational Linguistic.
5. Felipe Bravo-Marquez, Bernhard Pfahringer, Alan Ansell. An ELMo-inspired Approach to SemDeep-5's Word-in-Context Task. In *Proc. Workshop on Semantic Deep Learning (SemDeep-5) (SemDeep)*, pp. 21-25, 2019. Association for Computational Linguistic.

Year 2020

1. Felipe Bravo-Marquez, Andreea Calude, Te Taka Keegan, David Trye. Hybrid Hashtags: #YouKnowYoureAKiwiWhen Your Tweet Contains Maori and English. *Frontiers in Artificial Intelligence (FAI)* 3(15):1-19, 2020. Frontiers. ISSN 2624-8212.
2. Juglar Díaz, Bárbara Poblete, Felipe Bravo-Marquez. An Integrated Model for Textual Social Media Data with Spatio-Temporal Dimensions. *Information Processing and Management* 57(5), Sep 2020. Elsevier Science, Amsterdam, The Netherlands. ISSN 0306-4573.
3. Pablo Badilla, Felipe Bravo-Marquez, Jorge Pérez. WEFÉ: The Word Embeddings Fairness Evaluation Framework. In *Proc. 29th International Joint Conferences on Artificial Intelligence (IJCAI)*, pp. 430-436, Jul 2020. ISBN 978-0-9992411-6-5.
4. Frank D. Zamora-Reina, Felipe Bravo-Marquez. DCC-Uchile at SemEval-2020 Task 1: Temporal Referencing Word Embeddings. In *Proc. 14th Workshop on Semantic Evaluation (SemEval)*, pp. 194-200, 2020. Association for Computational Linguistic.

Year 2021

1. Alan Ansell, Felipe Bravo-Marquez, Bernhard Pfahringer. PolyLM: Learning about Polysemy through Language Modeling. In *Proc. 16th European Chapter of the Association for Computational Linguistics (EACL)*, pp. 563-574, Apr 2021. Association for Computational Linguistic.
2. Javier Muñoz, Felipe Bravo-Marquez. Interventions Recommendation: Professionals' Observations Analysis in Special Needs Education. In *Proc. 16th Workshop on Innovative Use of NLP for Building Educational Applications (BEA)*, pp. 171-179, Apr 2021. Association for Computational Linguistic.
3. Felipe Tobar, Felipe Bravo-Marquez, Jocelyn Dunstan, Joaquín Fontbona, Alejandro Maass, Daniel Remenik, Jorge F. Silva. Data Science for Engineers: A Teaching Ecosystem. *IEEE Signal Processing Magazine (SPM)* 38(3):144-153, May 2021. IEEE Press, Piscataway, NJ, USA. ISSN 1053-5888.
4. Jhonny Cerezo, Alexandre Bergel, Felipe Bravo-Marquez. FAQ(current) Corrections(current) Submissions(current) Tools Impact on the Quality of Annotations for Chat Untangling. In *Proc. Conference of the Association for Computational Linguistics: Student Research Workshop (ACL-SRW)*, pp. 215-220, 2021. Association for Computational Linguistic.
5. Felipe Bravo-Marquez, Arun Khanchandani, Bernhard Pfahringer. Incremental Word Vectors for Time-Evolving Sentiment Lexicon Induction. *Cognitive Computation* 14:425-441, 2022. Springer Nature Switzerland AG, Cham, Switzerland. ISSN 1866-9956.
6. Felipe Bravo-Marquez, Cristian Tamblay. Words, Tweets, and Reviews: Leveraging Affective Knowledge Between Multiple Domains. *Cognitive Computation* 14:388-406, 2022. Springer Nature Switzerland AG, Cham, Switzerland. ISSN 1866-9956.

Year 2022

1. Juglar Díaz, Felipe Bravo-Marquez, Bárbara Poblete. Language Modeling on Location-Based Social Networks. *ISPRS International Journal of Geo-Information (IJGI)* 11(2):article 147, 2022. Molecular Diversity Preservation International, Basel, Switzerland. ISSN 2220-9964.
2. Pablo Báez, Felipe Bravo-Marquez, Jocelyn Dunstan, Matías Rojas, Fabian Villena. Automatic Extraction of Nested Entities in Clinical Referrals in Spanish. *ACM Transactions on Computing for Healthcare (HEALTH)* 3(3):1-22, Jul 2022. ACM Press, New York, NY, USA.
3. Frank D. Zamora-Reina, Felipe Bravo-Marquez, Dominik Schlechtweg. LSCDiscovery: A Shared Task on Semantic Change Discovery and Detection in Spanish. In *Proc. Workshop on Computational Approaches to Historical Language Change (LCHANGE)*, pp. 149-164, 2022. Association for Computational Linguistic.

4. Hernán Sarmiento, Felipe Bravo-Marquez, Eduardo Graells-Garrido, Bárbara Poblete. Identifying and Characterizing New Expressions of Community Framing during Polarization. In *Proc. International AAAI Conference on Web and Social Media (ICWSM)*, pp. 841-851, Jun 2022. Association for the Advancement of Artificial Intelligence, www.aaai.org. ISBN 10-1-57735-875-9.
5. Vladimir Araujo, Andres Carvalho, Souvik Kundu, José Cañete, Marcelo Mendoza, Robert E. Mercer, Felipe Bravo-Marquez, Marie-Francine Moens, Alvaro Soto. Evaluation Benchmarks for Spanish Sentence Representations. In *Proc. 13th International Conference on Language Resources and Evaluation (LREC)*, pp. 6024-6034, Jun 2022. European Language Resources Association (ELRA).
6. José Cañete, Sebastián Donoso, Felipe Bravo-Marquez, Andres Carvalho, Vladimir Araujo. ALBETO and DistilBETO: Lightweight Spanish Language Models. In *Proc. 13th International Conference on Language Resources and Evaluation (LREC)*, pp. 4291-4298, Jun 2022. European Language Resources Association (ELRA).
7. Matías Rojas, Felipe Bravo-Marquez, Jocelyn Dunstan. Simple Yet Powerful: An Overlooked Architecture for Nested Named Entity Recognition. In *Proc. International Conference on Computational Linguistics (COLING)*, pp. 2108-2117, Oct 2022. Association for Computational Linguistic.

Year 2023

1. Mauricio Araneda, Felipe Bravo-Marquez, Denis Parra, Rodrigo Cádiz. MUSIB: Musical Score Inpainting Benchmark. *EURASIP Journal on Audio, Speech, and Music Processing (EURASIP) 2023*:article 19, Apr 2023. Springer, Netherlands.
2. Gabriel Iturra-Bocaz, Felipe Bravo-Marquez. RiverText: A Python Library for Training and Evaluating Incremental Word Embeddings from Text Data Stream. In *Proc. 46th Annual International ACM Conference on Research and Development in Information Retrieval (SIGIR)*, pp. 3027-3036, Jul 2023. Taipei, Taiwan. ACM Press, New York, NY, USA.
3. Ignacio Meza, Edison Marrese-Taylor, Cristian Rodriguez-Opazo, Felipe Bravo-Marquez. An Empirical Study of the Effect of Video Encoders on Temporal Video Grounding. In *Proc. IEEE International Conference on Computer Vision (ICCV)*, pp. 2850-2855, Oct 2023. IEEE Press, Piscataway, NJ, USA.

Year 2024

1. María José Zambrano, Felipe Bravo-Marquez. Unpacking Bias: An Empirical Study of Bias Measurement Metrics, Mitigation Algorithms, and Their Interactions. In *Proc. International Conference on Computational Linguistics (COLING)*, pp. 17154-17164, May 2024. Association for Computational Linguistic.

2. José Cañete, Felipe Bravo-Marquez. Speedy Gonzales: A Collection of Fast Task-Specific Models for Spanish. In *Proc. Joint Conference on Lexical and Computational Semantics (*SEM)*, pp. 176-189, 2024. Association for Computational Linguistic.
3. Dominik Schlechtweg, Frank D. Zamora-Reina, Felipe Bravo-Marquez, Nikolay Arefyev. Sense through Time: Diachronic Word Sense Annotations for Word Sense Induction and Lexical Semantic Change Detection. *Language Resources and Evaluation (LRE)* 58:1-35, Sep 2024. Springer Nature Switzerland AG, Cham, Switzerland. ISSN 1574-020X.
4. María José Zambrano, Felipe Bravo-Marquez. Optimization of Bias Mitigation in Word Embeddings: a Methodological Approach. In *Proc. 23rd International Conference on Web Intelligence (WI)*, pp. 478-484, 2024. IEEE Computer Society Press, Los Alamitos, CA, USA.
5. Hernán Sarmiento, Jorge Ortiz, Felipe Bravo-Marquez, Marcelo Santos, Sebastián Valenzuela. A Comparative Analysis of Offensive Discourse in the 2021 Chilean Presidential Campaign on Twitter and WhatsApp. In *Proc. 23rd International Conference on Web Intelligence (WI)*, pp. 62-69, 2024. IEEE Computer Society Press, Los Alamitos, CA, USA.

Year 2025

1. Fabian Villena, Felipe Bravo-Marquez, Jocelyn Dunstan. NLP Modeling Recommendations for Restricted Data Availability in Clinical Settings. *BMC Medical Informatics and Decision Making (BMC)* 25:article 116, Mar 2025. BioMed Central, London, UK. ISSN 1472-6947.
2. Pablo Badilla, Felipe Bravo-Marquez, María José Zambrano, Jorge Pérez. WEFE: A Python Library for Measuring and Mitigating Bias in Word Embeddings. *Journal of Machine Learning Research (JMLR)* 26(156):1-6, 2025. Microtome Publishing. ISSN 1532-4435.
3. Hernán Sarmiento, Ricardo Córdova, Jorge Ortiz, Felipe Bravo-Marquez, Marcelo Santos, Sebastián Valenzuela. Unsupervised Framing Analysis for Social Media Discourse in Polarizing Events. *ACM Transactions on the Web* 19(4):article 44, 2025. ACM Press, New York, NY, USA. ISSN 1559-1131.
4. Frank D. Zamora-Reina, Felipe Bravo-Marquez, Dominik Schlechtweg, Nikolay Arefyev. cover Can Large Language Models Compete with Specialized Models in Lexical Semantic Change Detection?. In *Proc. 28th European Conference on Artificial Intelligence (ECAI)*, pp. 4201-4208, 2025. IOS Press, Amsterdam, The Netherlands.
5. Tamara Quiroga, Felipe Bravo-Marquez, Valentín Barriere. Adapting Bias Evaluation to Domain Contexts using Generative Models. In *Proc. Empirical Methods in Natural Language Processing (EMNLP)*, pp. 28043-28054, 2025. Association for Computational Linguistic.