

## Personal Information

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- Nationality: Chile.
- Date of Birth: 3rd of January 1984.
- E-mail: fbravo at dcc.uchile.cl
- Web Page: <https://felipebravom.com>.
- Areas of Interest: Data Mining, Machine Learning, Information Retrieval, Social Media Analysis.

## Academic Positions and Work Experience

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- [2019 - present] Assistant Professor, [Department of Computer Science, University of Chile](#).
- [2019 - present] Young Researcher, [Millennium Institute for Foundational Research on Data](#).
- [2018 - present] Honorary Research Associate, [Machine Learning Group, University of Waikato](#).
- [2017-2019] Research Fellow, [Machine Learning Group, University of Waikato](#).
- [2011-2013] Research Engineer, [Yahoo! Labs](#) Latin America.
- [2009- 2011] Researcher and Software Developer, [Web Intelligence Consortium Chile Research Centre](#).
- [2009] Internship, Simple, Software Developer.
- [2009] Internship, Previred, Business Process Management Area, <http://www.previred.com>.
- [2005-2006] Internship, Vitanet, Software Developer, <http://www.vitanet.cl>.

## Qualifications

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- PhD. Computer Science, University of Waikato (Jul. 2017)
- MSc. Computer Science, Universidad de Chile (Sep. 2013)
- Computer Science Engineer, Universidad de Chile (Nov. 2010)
- Industrial Engineer, Universidad de Chile (Nov. 2010)
- BSc. in Industrial Engineering, Universidad de Chile (Oct. 2010)
- BSc. Computer Science, Universidad de Chile (Jan. 2009)

## Teaching

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- [CC6104] (Lecturer) Statistical Thinking (spring 2021), Computer Science Department, Universidad de Chile
- [CC66S] (Lecturer) Machine Learning (spring 2020), Computer Science Department, Universidad de Chile (Professional Diploma in Artificial Intelligence)
- [CC6205] (Lecturer) Natural Language Processing (fall 2021, fall 2020, spring 2019), Computer Science Department, Universidad de Chile
- [CC5206] (Lecturer) Introduction to Data Mining (fall 2021, spring 2020, fall 2020, spring 2019, fall 2019), Computer Science Department, Universidad de Chile
- [CC66E] (Lecturer) Data Mining (fall 2019), Computer Science Department, Universidad de Chile (Professional Diploma in Data Science)

- [COMP321] (Lecturer) Practical Data Mining (spring 2018), Department of Computer Science, University of Waikato
- (Lecturer) Deep Learning for Natural Language Processing (June 2018) [IfI Summer School 2018 on Machine Learning, Department of Informatics, University of Zurich](#).
- [COMP321] (Tutor) Practical Data Mining (spring 2017), Department of Computer Science, University of Waikato
- (Lecturer) Databases Management Diploma (spring 2013), Department of Informatics Engineering (postgraduate), Universidad Técnica Federico Santa María
- [CC5206/CC71Q] (Lecturer) Data Mining (spring 2012), Computer Science Department (undergraduate and postgraduate), Universidad de Chile
- [IN72K] (Lecturer) Information Technologies and Business Process Redesign (fall 2011), Master in Operations Management, Universidad de Chile
- [IN4522] (TA) Web Mining (spring 2010), Industrial Engineering, Universidad de Chile
- [IN7B0] (TA) ICT for globalization (spring 2010), Master in Management for Globalization, Universidad de Chile

## Grants

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### As Principal Investigator

- (2020 - ) FONDECYT de Iniciación. Project Title: Tracking social public opinion: a stream-mining based approach.
- (2020 - ) U-INICIA (CONCURSO DE REFORZAMIENTO DE INSERCIÓN PRODUCTIVA DE NUEVOS ACADÉMICOS VID UCHILE). Project Title (in Spanish): Inducción Incremental de Léxicos Afectivos desde Twitter.

### As Investigator

- (2019-2020) False News on Facebook during the 2017 Chilean Elections: Analyzing Its Content, Diffusion, and Audience Characteristic, The Social Science Research Council.

## Refereeing

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- Area Chair: EMNLP 2020 track "Sentiment Analysis, Stylistic Analysis, and Argument Mining".
- Conference Program Committees: AAAI 2021, ACL 2021, TheWebConf 2021, ACL 2020, WISDOM 2020, NAACL 2019, LA-WEB 2019, WASSA 2018, WISDOM 2018, SEM-EVAL 2018, IJCAI-ECAI 2018, EMNLP 2017, WASSA 2017
- Journal Reviewing: ACM Transactions on the Web (TWEB), The Visual Computer (TVCJ), PeerJ Computer Science, Journal of Machine Learning Research, Natural Language Engineering, IEEE Transactions on Knowledge and Data Engineering, Knowledge-based Systems, ACM Transactions on Intelligent Systems and Technology (TIST), IEEE Computational Intelligence Magazine special issue on Computational Intelligence for Natural Language Processing.

## Scholarships and Awards

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- [2021] Best Full-time Teaching Award, Department of Computer Science, University of Chile.
- [2017] University of Waikato Doctoral Publications Scholarship.
- [2016] IEEE student travel grant to attend the 2016 IEEE/WIC/ACM International Conference on Web Intelligence in Omaha, Nebraska, USA.
- [2014-2017] University of Waikato Doctoral Scholarship.
- [2011-2012] National Scientific and Technological Research Commission (CONICYT) Scholarship for master's degree studies at Chilean Universities.

# Publications

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## Journal Papers

1. F. Bravo-Marquez and C. Tamblay [Words, Tweets and Reviews: Leveraging Affective Knowledge Between Multiple Domains](#). In *Cognitive Computation*. DOI: 10.1007/s12559-021-09923-9 ([pdf](#))
2. F. Bravo-Marquez, A. Khanchandani, and B. Pfahringer [Incremental word-vectors for time-evolving sentiment lexicon induction](#). In *Cognitive Computation*, 2021. DOI:10.1007/s12559-021-09831-y ([pdf](#))
1. F. Tobar, F. Bravo-Marquez, J. Dunstan, J. Fontbona, A. Maass, and D. Remenik, and J.F. Silva [Data Science for Engineers: A Teaching Ecosystem](#). In *IEEE Signal Processing Magazine*, Volume 38, Issue 3, May 2021. Pages 144-153. DOI:10.1109/MSP.2021.3053551 ([pdf](#))
1. J. Diaz, B. Poblete, and F. Bravo-Marquez [An Integrated Model for Textual Social Media Data with Spatio-Temporal Dimensions](#). In *Information Processing & Management*, Volume 57, Issue 5, 2020. DOI:10.1016/j.ipm.2020.102219 ([pdf](#))
1. D.G. Trye, A.S. Calude, F. Bravo-Marquez, and T.T. Keegan [Hybrid Hashtags: #YouKnowYoureAKiwiWhen your Tweet contains Māori and English](#). In *Frontiers in Artificial Intelligence, section Language and Computation* Volume 3, Article 15, April 2020. DOI: 10.3389/frai.2020.00015. ([pdf](#) | [supplementary Material](#))
1. F. Bravo-Marquez, E. Frank, B. Pfahringer, and S. M. Mohammad [AffectiveTweets: a WEKA Package for Analyzing Affect in Tweets](#). In *Journal of Machine Learning Research* 20(92): Pages 1–6, 2019. ([pdf](#))
2. S. Lang, F. Bravo-Marquez, C. Beckham, M. Hall, and E. Frank [WekaDeepLearning4j: a Deep Learning Package for Weka based on DeepLearning4j](#). In *Knowledge-Based Systems*, Volume 178, 15 August 2019, Pages 48-50. DOI: 10.1016/j.knosys.2019.04.013 ([pdf](#))
3. F. Bravo-Marquez, E. Frank, and B. Pfahringer [Transferring Sentiment Knowledge between Words and Tweets](#). In *Web Intelligence* Volume 16, no. 4, 31 October 2018, Pages 203-220. DOI: 10.3233/WEB-180389 ([pdf](#))
1. F. Bravo-Marquez, E. Frank, and B. Pfahringer [Building a Twitter Opinion Lexicon from Automatically-annotated Tweets](#). In *Knowledge-Based Systems* Volume 108, 15 September 2016, Pages 65–78. DOI:10.1016/j.knosys.2016.05.018 ([pdf](#))
2. J.D. Velásquez, Y. Covacevich, F. Molina, E. Marrese-Taylor, C. Rodríguez, and F. Bravo-Marquez [DOCODE 3.0 \(DOcument COpy DEtector\): A system for plagiarism detection by applying an information fusion process from multiple documental data sources](#). In *Information Fusion* Volume 27, January 2016, Pages 64–75. DOI:10.1016/j.inffus.2015.05.006 ([pdf](#))
1. E. Marrese-Taylor, J.D. Velásquez, F. Bravo-Marquez [A Novel Deterministic Approach for Aspect-Based Opinion Mining in Tourism Products Reviews](#). In *Expert Systems with Applications* Volume 41, Issue 17, 1 December 2014, Pages 7764–7775. DOI:10.1016/j.eswa.2014.05.045 ([pdf](#))

2. F. Bravo-Marquez, M. Mendoza and B. Poblete [Meta-Level Sentiment Models for Big Social Data Analysis](#). In *Knowledge-Based Systems* Volume 69, October 2014, Pages 86–99. DOI:10.1016/j.knosys.2014.05.016 ([pdf](#))

## Conference and Workshop Papers

1. A. Ansell, F. Bravo-Marquez, and B. Pfahringer [PolyLM: Learning about Polysemy through Language Modeling](#). In *Proceedings of the 16th conference of the European Chapter of the Association for Computational Linguistics (EACL 2021)*, Kyiv, Ukraine. Pages 563–574. ([pdf](#)), ([code](#)).
2. J. Cerezo, A. Bergel, and F. Bravo-Marquez [Tools Impact on the Quality of Annotations for Chat Untangling](#). In *Proceedings of the Joint Conference of the 59th Annual Meeting of the Association for Computational Linguistics and the 11th International Joint Conference on Natural Language Processing: Student Research Workshop*, Bangkok, Thailand. Pages 215–220 ([pdf](#))
3. J. Muñoz and F. Bravo-Marquez [Interventions Recommendation: Professionals' Observations Analysis in Special Needs Education](#). In *Proceedings of the 16th Workshop on Innovative Use of NLP for Building Educational Applications (BEA 2021)*, Co-located with EACL 2021, Kyiv, Ukraine. Pages 171-179 ([pdf](#)),([code](#)).
1. P. Badilla, F. Bravo-Marquez, and J. Pérez [WEFE: The Word Embeddings Fairness Evaluation Framework](#). In *Proceedings of the 29th International Joint Conference on Artificial Intelligence (IJCAI 2020)*, Yokohama, Japan. Pages 430-436. DOI:10.24963/ijcai.2020/60. Acceptance rate: 12.6%. ([pdf](#)),([code](#)).
2. F. D. Zamora-Reina, F. Bravo-Marquez [DCC-Uchile at SemEval-2020 Task 1: Temporal Referencing Word Embeddings](#). In *Proceedings of International Workshop on Semantic Evaluation (SemEval-2020)*, Barcelona, Spain, 2020. Pages 194-200. ([pdf](#))
3. A. Ansell, F. Bravo-Marquez, and B. Pfahringer [An ELMo-inspired approach to SemDeep-5's Word-in-Context task](#). In *Proceedings of the 5th Workshop on Semantic Deep Learning (SemDeep-5) co-located with IJCAI 2019 in Macau, China*. ([pdf](#))
4. D. Trye, A. S. Calude, F. Bravo-Marquez, and T. T Keegan [Māori Loanwords: A Corpus of New Zealand English Tweets](#). In *Proceedings of the 2019 ACL Student Research Workshop (SRW)*, Florence, Italy. ([pdf](#))
5. F. Bravo-Marquez, S. Reeves, and M. Ugarte [Proof-of-Learning: a Blockchain Consensus Mechanism based on Machine Learning Competitions](#). In *Proceedings of the 2019 IEEE International Conference on Decentralized Applications and Infrastructures (DAPPCON)*, April 2019, East Bay, San Francisco, California, USA. Pages 119-124. DOI:10.1109/DAPPCON.2019.00023. ([pdf](#))
6. S. M. Mohammad, F. Bravo-Marquez, M. Salameh, and S. Kiritchenko [Semeval-2018 Task 1: Affect in tweets](#). In *Proceedings of International Workshop on Semantic Evaluation (SemEval-2018)*, New Orleans, LA, USA, June 2018. ([pdf](#)) | ([leaderboard](#))
7. S. M. Mohammad and F. Bravo-Marquez [WASSA-2017 Shared Task on Emotion Intensity](#), In *Proceedings of the EMNLP 2017 Workshop on Computational Approaches to Subjectivity, Sentiment, and Social Media (WASSA)*, September 2017, Copenhagen, Denmark. ([pdf](#))

8. S. M. Mohammad and F. Bravo-Marquez [Emotion Intensities in Tweets](#), In *\*Sem '17: Proceedings of the sixth joint conference on lexical and computational semantics (\*Sem)*, August 2017, Vancouver, Canada. ([pdf](#))
9. F. Bravo-Marquez, E. Frank, S. M. Mohammad, and B. Pfahringer [Determining Word--Emotion Associations from Tweets by Multi-Label Classification](#), In *WI '16: Proceedings of the 2016 IEEE/WIC/ACM International Conference on Web Intelligence*, Omaha, Nebraska, USA 2016. Pages 536-539. DOI:10.1109/WI.2016.90 ([pdf](#))
10. F. Bravo-Marquez, E. Frank, and B. Pfahringer [From opinion lexicons to sentiment classification of tweets and vice versa: a transfer learning approach](#), In *WI '16: Proceedings of the 2016 IEEE/WIC/ACM International Conference on Web Intelligence*, Omaha, Nebraska, USA 2016. Pages 145-152. DOI:10.1109/WI.2016.29 ([pdf](#))
11. F. Bravo-Marquez, E. Frank, and B. Pfahringer [Annotate-Sample-Average \(ASA\): A New Distant Supervision Approach for Twitter Sentiment Analysis](#), In *ECAI '16: Proceedings of the 22nd Biennial European Conference on Artificial Intelligence*. The Hague, Holland 2016. IOS press. DOI:10.3233/978-1-61499-672-9-498 ([pdf](#))
1. F. Bravo-Marquez, E. Frank, and B. Pfahringer [Positive, Negative, or Neutral: Learning an Expanded Opinion Lexicon from Emoticon-annotated Tweets](#), In *IJCAI '15: Proceedings of the 24th International Joint Conference on Artificial Intelligence*. Buenos Aires, Argentina 2015. ([pdf](#)) | ([poster](#))
2. F. Bravo-Marquez, E. Frank, and B. Pfahringer [From Unlabelled Tweets to Twitter-specific Opinion Words](#), In *SIGIR '15: Proceedings of the 38th International ACM SIGIR Conference on Research & Development in Information Retrieval*. Santiago, Chile 2015. DOI:10.1145/2766462.2767770 ([pdf](#)) | ([poster](#))
3. E. Marrese-Taylor, J.D. Velásquez, F. Bravo-Marquez [OpinionZoom, a modular tool to explore tourism opinions on the Web](#), In *WI '2013: IEEE/WIC/ACM International Conference on Web Intelligence*. Industry Track. Atlanta, USA. DOI:10.1109/WI-IAT.2013.19 ([pdf](#))
1. M. Mendoza, F. Bravo-Marquez, B. Poblete, and D. Gayo-Avello [Long-memory Time Series Ensembles for Concept Shift Detection](#), In *KDD-BigMine '13 2nd International Workshop on Big Data, Streams and Heterogeneous Source Mining: Algorithms, Systems, Programming Models and Applications*. Chicago, USA 2013. DOI:10.1145/2501221.2501225 ([pdf](#))
2. F. Bravo-Marquez, M. Mendoza and B. Poblete [Combining Strengths, Emotions and Polarities for Boosting Twitter Sentiment Analysis](#), In *KDD-WISDOM '13: 2nd Workshop on Issues of Sentiment Discovery and Opinion Mining*. Chicago, USA 2013. DOI:10.1145/2502069.2502071 ([pdf](#))

3. E. Marrese-Taylor, J.D. Velásquez, F. Bravo-Marquez, Y. Matsuo [Identifying Customer Preferences about Tourism Products using an Aspect-Based Opinion Mining Approach](#), In *KES '13: 17th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems*. Kitakyushu, Japan, 2013. Procedia Computer Science. DOI:10.1016/j.procs.2013.09.094 ([pdf](#))
4. F. Bravo-Marquez, D. Gayo-Avello, M. Mendoza and B. Poblete [Opinion Dynamics of Elections in Twitter](#), In *LA-WEB '12: 8th Latin American Web Congress*. Cartagena de Indias, Colombia, 2012. IEEE Computer Society's Conference Publishing Services (CPS). DOI:10.1109/LA-WEB.2012.11 ([pdf](#))
5. F. Bravo-Marquez and M. Manriquez [A Zipf-Like Distant Supervision Approach for Multi-Document Summarization Using Wikinews Articles](#), In *SPIRE '12: 19th International Symposium on String Processing and Information Retrieval*. Cartagena de Indias, Colombia, 2012. Springer-Verlag. DOI:10.1007/978-3-642-34109-0\_15 ([pdf](#)) | ([data](#))
6. F. Bravo-Marquez, G. L'Huillier, P. Moya, S.A. Rios, and J.D. Velasquez [An Automatic Text Comprehension Classifier Based on Mental Models and Latent Semantic Features](#), In *I-KNOW '2011: 11th International Conference on Knowledge Management and Knowledge Technologies*. Grass, Austria. ACM ICPS. DOI:10.1145/2024288.2024317 ([pdf](#))
7. F. Bravo-Marquez, G. L'Huillier, S.A. Rios, and J.D. Velasquez [A Text Similarity Meta-Search Engine Based on Document Fingerprints and Search Results Records](#), In *WI '2011: IEEE/WIC/ACM International Conference on Web Intelligence*. Lyon, France. DOI:10.1109/WI-IAT.2011.27 ([pdf](#))
8. F. Bravo-Marquez, G. L'Huillier, S. Rios, and J.D. Velasquez [Hypergeometric Language Model and Zipf-like Scoring Function for Web Document Similarity Retrieval](#), In *SPIRE '10: 17th International Symposium on String Processing and Information Retrieval*. Los Cabos, Mexico, 2010. Springer-Verlag. DOI:10.1007/978-3-642-16321-0\_32 ([pdf](#))
9. F. Bravo-Marquez, G. L'Huillier, S. Rios, J.D. Velasquez, and L. Guerrero [DOCODE-lite: A Meta-Search Engine for Document Similarity Retrieval](#), In *KES '10: 14th International Conference on Knowledge-Based and Intelligent Information & Engineering Systems*. Cardiff, Wales, 2010. Springer-Verlag. DOI:10.1007/978-3-642-15390-7\_10 ([pdf](#))

## Non-peer reviewed articles

1. F. Bravo-Marquez and J. Dunstan [Procesamiento de Lenguaje Natural: dónde estamos y qué estamos haciendo](#), In *Revista Bits de Ciencia* Volume 21 Pages 45-47, July 2021. ([pdf](#))

## Theses

- PhD Thesis: [Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis](#) ([pdf](#)), ([examiner's report](#)).
- Master's Thesis (first four pages in Spanish): [Static and Dynamic Analysis of Opinions in Twitter](#) ([pdf](#)).
- Undergraduate Thesis (in Spanish): [Diseño e Implementación de un Metabusador de Párrafos para la Recuperación de Documentos Similares en la Web](#) ([pdf](#)).

# Students

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## Postgraduate

- (2021 - ongoing) David Rojas, Masters in Computer Science, University of Chile.
- (2021 - ongoing) Humberto Rodrigues, Masters in Computer Science, University of Chile.
- (2021 - ongoing) José Cañete, Masters in Computer Science, University of Chile.
- (2021 - ongoing) Gabriel Iturra, Masters in Computer Science, University of Chile.
- (2021 - ongoing) Mauricio Araneda, Co-supervised with Denis Parra, Masters in Computer Science, University of Chile.
- (2021 - ongoing) Bastián Matamala, Co-supervised with Andrés Abeliuk, Masters in Computer Science, University of Chile.
- (2021 - ongoing) Jorge Ortiz, Masters in Computer Science, University of Chile.
- (2020 - ongoing) Hernán Sarmiento, Co-supervised with Bárbara Poblete, PhD, University of Chile.
- (2020 - ongoing) Matías Rojas, Co-supervised with Jocelyn Dunstan, Masters in Computer Science, University of Chile.
- (2019 - ongoing) Frank Zamora, PhD, University of Chile.
- (2020 - ongoing) Javier Muñoz, Masters in Computer Science, University of Chile.
- (2019-2020) Pablo Badilla, Co-supervised with Jorge Pérez, Masters in Computer Science, University of Chile.
- (2019-ongoing) Juglar Díaz, Co-supervised with Bárbara Poblete, PhD, University of Chile.
- (2019-ongoing) Jhonny Cerezo, Co-supervised with Alexandre Bergel, Masters, University of Chile.
- (2019) Arun Khanchandani, Co-supervised with Bernhard Pharinger, Masters in Computer Science, University of Waikato.
- (2019-2020) Alan Ansell, Co-supervised with Bernhard Pharinger, Masters in Computer Science, University of Waikato.

## Undergraduate

- (2021 - ongoing) María José Zambrano, Co-supervised with Pablo Badilla, Computer Science Engineering, University of Chile.
- (2021 - ongoing) Ignacio Meza, Co-supervised with Amanda Williamson, Electrical Engineering, University of Chile.
- (2019-2020) Cristián Tamblay, Computer Science Engineering, University of Chile.
- (2019) David Trye, Co-supervised with Andreea Calude, "Māori Borrowings in Science Digital Media", Summer Research Scholarship, University of Waikato.
- (2018) Nicole Chan, Co-supervised with Andreea Calude, "Social Media Meets Te Reo Māori Loanwords", Honours Project, University of Waikato.
- (2018) Joshua Lovelock, Co-supervised with Eibe Frank, "Automatic Detection of Hate Speech", Honours Project, University of Waikato.
- (2018) Tristan Anderson, Co-supervised with Bernhard Pfahringer, "Building Time-Evolving Opinion Lexicons", Honours Project, University of Waikato.
- (2013) Edison Marrese Taylor, Co-advisor with Juan Velásquez, "Diseño e Implementación de una Aplicación de Web Opinion Mining para Identificar Preferencias de Usuarios sobre Productos Turísticos de la X Región de los Lagos", Industrial Engineering, U. of Chile.
- (2012) Luis Maldonado, Co-advisor with Mauricio Marín, "Análisis de Sentimiento en el Sistema de Red Social Twitter", Execution Informatics Engineering, U. of Santiago.



## Short Courses

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- [Forecasting](#), a short course taught by Bruce E. Hansen at Central Bank of Chile, October 29-31, 2013.
- [MLSS 2015](#), Machine Learning Summer School, February 16-25, 2015, Sydney, Australia.

## Academic Visits

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- [July 2018] [Institute of Computational Linguistics, University of Zurich](#), hosted by Martin Volk.
- [September 2017] [Institute of Computational Linguistics, University of Zurich](#), hosted by Manfred Klenner.
- [October 2016] [National Research Council Canada \(NRC\)](#), hosted by [Saif Mohammad](#).

## Seminars and Talks

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- [August 2021] [FCFM- Iniciativa de Datos e Inteligencia Artificial \(D&IA\), Análisis de emociones y sentimientos en medios de comunicación social.](#)
- [August 2021] [Enaex Robotics, Introduction to Machine Learning](#)
- [October 2020] [WOPATEC 2020 - CILCC-2020, Invited talk: Sesgo en Word Embeddings \(acta congreso\)](#)
- [January 2020] [Universidad Adolfo Ibañez, Seminario: Sistematizando la participación ciudadana.](#) Análisis de emociones y sentimientos en medios de comunicación social.
- [July 2019] [AI Lab at PUC.](#) Sentiment Analysis and NLP. Hosted by Álvaro Soto.
- [June 2019] [AMW Data Science School 2019.](#) Tutorial: Deep Learning for Natural Language Processing.
- [November 2018] [Asia-Pacific iSchools Regional Meeting 2018](#)  
19 November 2018, Hamilton, New Zealand: Emotion Intensities of Tweets.
- [March 2018] [Natural Language Processing in NZ Meetup.](#) Tutorial: Using Sentiment Analysis as a Case Study for Introducing Modern NLP Concepts.
- [February 2018] [University of Waikato.](#) Tutorial: Using Sentiment Analysis as a Case Study for Introducing Modern NLP Concepts.
- [January 2018] [Universidad de Chile.](#) Tutorial: Using Sentiment Analysis as a Case Study for Introducing Modern NLP Concepts.
- [January 2018] Pontificia Universidad Catolica de Chile. Invited talk at CIWS Workshop - Future of Data: Emotion Intensities of Tweets.
- [September 2017] [Institute of Computational Linguistics, University of Zurich:](#) Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.
- [October 2016] [National Research Council Canada \(NRC\):](#) Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.
- [September 2016] [University of Melbourne](#), hosted by [Timothy Baldwin](#): Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.
- [July 2016] [Pontificia Universidad Catolica de Chile:](#) Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.
- [July 2016] [Universidad de Chile:](#) Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.
- [June 2016] [Universidad Tecnica Federico Santa Maria:](#) Acquiring and Exploiting Lexical Knowledge for Twitter Sentiment Analysis.

## Software

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- [WEFE: The Word Embeddings Fairness Evaluation Framework](#)
- I'm the main developer of [AffectiveTweets](#), a Weka package for analysing emotion and sentiment of tweets.



- I've contributed to the NLP modules of the [WekaDeepLearning4j](#) package.
- Some code for building sentiment lexicons from tweets is [here](#) (the core of this code has been integrated into AffectiveTweets).

## Shared Task Organisation

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- Co-organiser of the SemEval-2018 Task 1: [Affect in Tweets](#).
- Co-organiser of WASSA-2017 [Emotion Intensity Detection](#) Task.

## Media Outreach

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- [Nano Break - Capítulo 5 - Sesgo algorítmico en IA: qué es y cómo combatirlo.](#)
- [Les Doctores Salvajes - Entrevista a Felipe Bravo](#)
- [IMFD - IA y clasificación de contenidos: el desafío en el que trabajan el Poder Judicial y el IMFD](#)
- [IMFD - Modelos de análisis de lenguaje que evolucionen en el tiempo: el proyecto de Felipe Bravo que se adjudicó un Fondecyt de Iniciación](#)
- [FCFM Uchile - Ocho investigaciones patrocinadas por la FCFM son beneficiadas con Fondecyt de Iniciación](#)
- [Sesgo Algorítmico: a video about our research on bias in word embeddings](#)
- [Word Embedding Fairness Evaluation - an invited blog post about WEFE published in KDnuggets](#)
- [FCFM Uchile - Investigadores DCC publican trabajo que aborda problema de sesgo algorítmico](#)
- [FCFM Uchile - Prof. Felipe Bravo publica investigaciones sobre dos desarrollos de software de código abierto](#)
- [DCC Uchile - DCC integra a dos nuevos académicos de jornada completa](#)
- [University of Waikato - When machine learning, Twitter and te reo Māori merge](#)
- [RadioNZ - NZ's unique te reo tweets](#)

## Technical Skills

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- Programming Languages: Java, R, Python, C,C++.
- Database Systems: PostgreSQL, MySQL, MongoDB.

## Languages

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- Spanish: Native.
- English: Fluent, TOEFL IBT 103/120.
- German: Average, Sprachdiplom Zweite Stufe.

Felipe José Bravo Márquez

Santiago, Chile October 28, 2021