

Juan Martín Loyola

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Education

- Ph.D. in Computer Science, National University of San Luis Apr 2017 – Present
- B.S. in Computer Science, National University of San Luis Mar 2010 – Mar 2017

Research Experience

- National University of San Luis, Marcelo Luis Errecalde Apr 2016 – Present
 - Machine learning and decision making in intelligent systems for the web
- National University of San Luis, Marcelo Luis Errecalde Apr 2015 – Apr 2016
 - Tools and mechanisms for decision making in artificial intelligent agents

Teaching Experience

- Databases, TA 2020 – Present
- Data Structure and Algorithms, TA S2019
- Logic in Computer Science, TA F2019

Industry Experience

- Software Engineer, Mercado Libre Jan 2016 – Mar 2017

Graduate Coursework

- Text Mining, M. L. Errecalde S2020
- Computer Technologies Applied to Land Management, O. G. Cardenas Hernández F2020
- Advanced Methods in Statistical Inference and Learning, O. A. Martin S2019
- Data Mining, M. L. Errecalde S2018
- Scientific Writing in English, C. Mirallas S2018
- Bayesian Data Analysis, O. A. Martin S2018
- Mathematics for Data Science, J. M. Alonso F2018
- Writing of Scientific Texts, M. Bussetti F2018
- Introduction to Data Science, O. A. Martin F2018
- Introduction to Deep Learning, E. Ferretti S2017
- Epistemology, V. Guyot S2017
- New Proposals for Similarity Searches in Metric Databases, N. Reyes S2017

Honors & Awards

- CONICET Doctoral Fellowship 2017 – 2022
- Scholarship to attend the Machine Learning Summer School, Argentina 2018

Skills

Languages	Python, Java
Frameworks	NumPy, Pandas, PyTorch, SciPy, PyMC3
Systems	Linux, Windows

Service

Host	PyData Meetups San Luis
Contributor	PyMC3
Program Participant	Google Summer of Code 2019 with NumFOCUS: Bayesian Additive Regression Trees in PyMC3

All Publications

Google Scholar ID: [EvpfZQMAAAAJ](#)

Conference Proceedings

- [C1] **J. M. Loyola**, M. L. Errecalde, H. J. Escalante, M. Montes y Gomez, "Learning when to classify for early text classification," in *Computer Science – CACIC 2017*, A. E. De Giusti, Ed., Cham: Springer International Publishing, 2018, pp. 24–34, ISBN: 978-3-319-75214-3.
- [C2] E. Ferretti, C. Sosa Toranzo, G. Aguirre, **J. M. Loyola**, L. Cagnina, M. L. Errecalde, "Toma de decisiones y aprendizaje en agentes artificiales inteligentes," es, in *XVIII Workshop de Investigadores en Ciencias de la Computación (WICC 2016, Entre Ríos, Argentina)*, 2016. [Online]. Available: <http://hdl.handle.net/10915/52730>.

Journal Articles

- [J1] A. A. Icazatti, **J. M. Loyola**, I. Szleifer, J. A. Vila, O. A. Martin, "Classification of RNA backbone conformations into rotamers using ¹³C chemical shifts: Exploring how far we can go," *PeerJ*, vol. 7, e7904, 2019.

Posters

- [S1] **J. M. Loyola** and M. L. Errecalde, "Early text classification for early detection of signs of depression," in *MLSS*, 2018. [Online]. Available: <http://jmloyola.github.io/files/posters/2018-MLSS.pdf>.
- [S2] **J. M. Loyola** and M. L. Errecalde, "Is it necessary to read the entire document to classify?" In *PyData San Luis*, 2017. [Online]. Available: <http://jmloyola.github.io/files/posters/2017-PyData.pdf>.