Alvaro Franco Martins

Personal Data

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Profile

DATA SCIENTIST — Physicist working on complex networks and data science. My main working interests are

- Data Science
- Deep Learning
- Machine Learning
- Data Visualization
- Complex Networks

Education

2021 -	PhD Student State University of Maringá
2019 - 2021	MSc in Physics State University of Maringá Thesis: The dynamics of political corruption networks.
2014 - 2018	BSc in Physics State University of Maringá Thesis: Time series analysis via complexity-entropy curves.

Awards and fellowships

2021 -	Doctoral fellowship (CAPES) Academic Cooperation Program (PROCAD) in Public Security and Forensic Sciences
2019 - 2021	Master fellowship (CAPES)
2014 - 2018	Undergraduate research fellowship (CNPq)

Languages

ENGLISH:	TOEFL ITP (600/677)
PORTUGUESE:	Native Language

Technical Skills

PROGRAMMING	Python.
LIBRARIES	numpy, scipy, pandas, matplotlib, scikit-learn, graph-tool.

Publications

2018	H. V. Ribeiro, L. G. A. Alves, **A. F. Martins**, E. K. Lenzi, and M. Perc, *The dynamical structure of political corruption networks*, Journal of Complex Networks 6, 989.
2022*	**Alvaro F. Martins**, Bruno R. da Cunha, Quentin S. Hanley, Sebastián Goncalves and Haroldo V. Ribeiro, *Statistical similarities in the growth of political corruption networks*