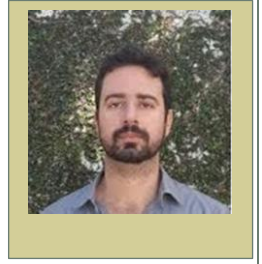# FABRÍCIO AMARAL

Av. Governador Bias Fortes, 599 apt 101 36204168 Barbacena (Brazil)

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Education

2003 - 2007	Doctorate in Computational Physics. Brazilian Center of Physics Research (CBPF), Rio de Janeiro, Brazil.
1999 - 2003	Bachelor in Computational Physics. Federal University of Viçosa, Brazil.

Skills

Modeling	Deep Learning, Reaction-Diffusion, Complex Systems, Stochastic Modeling, Pattern Formation, Evolutionary Computation, Classification Models.
Statistical Analysis	Plotly, Matplotlib, Geoplots, Mathematica, Mapple, Origin, Excel.
Machine learning	Deep Learning with Keras/TensorFlow, Financial Markets, Data/Text Mining, Neural Networks, Naïve Bayes.
Programming	Phyton, R , C++, MATLAB , Fortran, MQL5.
Softwares	Jupyter, RStudio, Spark, MetaTrader5, Netbeans.
OS	Linux, Windows.
Project Management	Coordination and supervision of scientific projects in private sector.
Languages	English (advanced), Spanish (intermediary), French (basic), Portuguese (native).
Studying	Application of deep learning architecture (i.e., deep neural networks, convolutional neural networks, recurrent neural networks)

Professional Experience

2012 - 2016	Project Manager / Data Scientist in **dod robôs investidores**, São Paulo, Brazil. (http://executive.com.br)
2013 - 2014	Visiting Professor of Statistical and Computational Physics. Federal University of Rio de Janeiro, **UFRJ**, Rio de Janeiro, Brazil.
2008 - 2011	Newly doctor professor of physics, chaos and fractals. State University of Rio de Janeiro, **UERJ**, Rio de Janeiro, Brazil.

Projects Repositories (Python, C++, R, Mql5)

https://github.com/FabricioProjects

PhD Thesis and Papers

https://github.com/FabricioProjects/thesis_and_papers