Díaz Gabriel Iturry
Physicist - Data Scientist

About me Since 2012, I have worked as a scientific researcher in the area of Nonlinear Dynamics. During this period, I have acquired advanced mathematical knowledge and learned several computational skills concerning data analysis. This involves the manipulation and interpretation of data and the use of statistical tools to compare data to models. I currently work as a Self-Employed in Data Science and Physics, focused in reproducing state-of-the-art reasearch for my clients.

Contact Details
Gabriel Díaz Iturry

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Languages
Spanish: Mother tongue
English: Advanced
Portuguese: Fluent

Experience

Feb 2021 - Present
Data Scientist, Physicist:

- Reproduce state-of-the-art reasearch.
- Deliver the models in a clear and robust interfarce for user consumption.
- Optimization using Operations Research and Heuristics methods for several projects.

Feb 2017 - Feb 2021
Researcher and Teaching Assistant, Instituto de Física, Universidade de São Paulo (USP). São Paulo, Brazil. Research projects include:

- Anomalous Diffusion on Classical Systems.
- Bifurcation Analysis.
- Quantum to Classical transition.

2012 - 2014
Junior Researcher and Teaching Assistant. Institute for Physics, UMSS, Physics Department. Cochabamba, Bolivia.

Education

2017 - 2021
Ph. D. in Physics, Universidade de São Paulo (USP).
São Paulo, Brazil.

2015 - 2017
M. Sc. in Physics, Universidade Estadual de São Paulo (UNESP)
São Paulo, Brazil.

2009 - 2014
Bachelor in Physics, Universidad Mayor de San Simó (UMSS).
Cochabamba, Bolivia.

Skills

Technical
Machine Learning, Neural Networks, Simulations, Feature Engineering, Data Analysis.

Software Development
Python, R, Julia, Fortran, Mathematica, MatLab.
Numpy, Scipy, Pandas, seaborn, matplotlib, openCV, nltk, PyTorch, Tensorflow, Keras, sklearn, XGBoost, CatBoost.