LUCAS VARELA

Data Scientist | PhD in Statistical Physics

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Paris, France

in /in/lucas-varela

github.com/lucasvarela

% lucasvarela.github.io

PERSONAL STATEMENT

I am a data-driven professional. I can statistically interpret data and propose successful models that predict a system's behavior. All while exploiting machine learning capabilities that turn insights into actionable items. I am well-versed in information visualizations that provide unbiased understandings of any underlying patterns. As a scientist, I am trained to solve problems with an analytical approach, focusing on finding the best tools and knowledge for each particular task. Due to the inherent collaborative nature of research I am an excellent team player.

EXPERIENCE

Data Scientist

2022 March - 2022 June

Clipboard health

♀ Remote

- Contributed to 30% decrease in low-fill experience of health facilities.
- Designed metrics to track churn.
- Uncovered business insights and turned them into pricing algorithms.
- Reviewed code and implemented unit tests.

Adjunct Professor

2016 - 2020

Universidad de los Andes

P Bogotá, Colombia

Taught: Electromagnetism, Mechanics, Modern Physics, Thermodynamics and Waves & Fluids.

PUBLICATIONS

- Like-charge attraction at short distances in a charge-asymmetric twodimensional two-component plasma; exact results, J. Stat. Mech. Theory Exp. (083206), 2021.
- Relaxation dynamics of two interacting electrical double-layers in a 1D Coulomb system. J. Phys. Condens. Matter (394001), 2021.
- One-dimensional colloidal model with dielectric inhomogeneity. Phys. Rev. E 103 (042603), 2021.
- Configurational and energy landscape in one-dimensional Coulomb systems. Phys. Rev. E 95 (022112), 2017.

TECHNICAL SKILLS

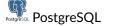






















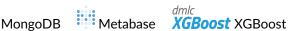












EDUCATION

PhD in Physics

Sep 2019 - Nov 2021

Université Paris-Saclav

M.Sc in Physics

m Jan 2017 - Jul 2018

Universidad de los Andes

B.S. in Physics

Jul 2012 - Apr 2016

Universidad de los Andes

Data Science for All (DS4A)

Jun 2020 - Aug 2020

Correlation One

INTERESTS

Data Science Statistics Time Series

Machine Learning

Numerical Analysis

InfoVis

Mathematical Modeling

Probability

Stochastic Processes

ACHIEVEMENTS



Graduated with honors

Top projects in the Colombian data science program DS4A 2020.



#1 GPA

Top GPA of the physics undergraduate class of 2016-10



Quick learner

I completed my bachelor's degree 1 semester before the standard time.

LANGUAGES

- Spanish Native
- English Advanced (C1)
- French Conversational (B1)