Luis E. Ascencio G. | Resume

Mathematician, Statistician and Data Scientist.

Status: PhD candidate in probability and statistics.
Fields: Mathematics, Probability and Statistics, Data Science, Machine Learning.
Techs: Python, Bash, R, git, Docker.
Activities: Open Source, Fitness, Science Outreach.

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Summary

Mathematician, Phd candidate with experience in teaching mathematics, programming, probability and statistics in undergraduate and graduate courses. Currently in revision and corrections of Phd thesis and documenting the software created for the research of the thesis project.

Experience

Scientific Employee / PhD Student - CIMAT   2021 - 2025

· Statistical research in Nonlinear Spaces.

· Python software development for the estimation of Frechet Mean and statistical trajectories in nonlinear spaces.

Graduate Teaching Assistant - CIMAT   2022 - 2025

· Assisted in the evaluation process and assignment of coursework to master's program students.

· Provided support in the instruction of graduate-level courses, including Time Series Analysis, Statistical Inference, Statistical Modeling, and Programming.

Teaching Assistant - UAM Iztapalapa   2016 - 2019

· Assisted in the evaluation process and assignment of coursework to undergraduate students.

· Provided support in the instruction of undergraduate-level courses.

Education

PhD Studies in probability and statistics - CIMAT   2021 - 2025

· Coursework in advanced topics in probability and statistics, including Asymptotic Theory, Statistical Computing, Statistical Modeling, Statistical Inference, Nonlinear Statistics, and Time Series Analysis.

· Thesis focused on topics related to Time Series Analysis, Nonlinear Statistics, and Nonparametric Statistics.

Master's degree in Mathematical Sciences - Universidad Autónoma Metropolitana   2018 - 2021

· Studies in advanced mathematical topics such as Differential Geometry, Mathematical Analysis, and Functional Analysis.

· Degree awarded following the successful defense of the thesis 'La métrica de Jacobi-Maupertuis, su relación con la geometría Riemanniana y sus aplicaciones a la mecánica clásica' (DOI: 10.24275/uami.gx41mj14n).

Graduated as Mathematician - Universidad Autónoma Metropolitana, CDMX   2011 - 2017

· Engaged in activities including the organization of seminars for students in physics and mathematics and graduated after fulfilling all program requirements.

· Served as a student collaborator at the Visualization and Parallel Computing Laboratory (LSVP) while the Aitzaloa supercomputer was in operation.