Adrián Hinojosa Calleja

Data Scientist | PhD Mathematics

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A Data Scientist and PhD Mathematics specialized in Probability. +10 years teaching mathematics at different educational levels.

Educational Background

PhD Mathematics
Universitat de Barcelona, 2022
Cum Laude

Master Mathematical Sciences
TU Berlin, Germany, 2016

Degree Mathematics
UNAM, Mexico, 2013
Graduated with honors

Certificates

Data Science with Python
It Academy, 2022

Introduction to Functional Data Analysis with R
UAB, 2018

Technical Skills

- Python
- R
- SQL
- Java
- LaTex

Soft Skills

- Problem resolution
- Critical thinking
- Teamwork
- Leadership

Work Experience

Predoctoral Researcher
Universitat de Barcelona
April 2017 to January 2022
*R*esearcher in Stochastic Partial Differential Equations.
Teacher's assistant of Probability and Statistics courses.

Mathematics Teacher
Logos Middle School
August 2012 to June 2014
Teacher of Mathematics I and Mathematics III courses.

Organization Experience

Organizer
Barcelona's Probability Seminar
January 2021 to March 2022

Member of the Executive Board
Institut de Matematiques de la Universitat de Barcelona
November 2017 to January 2022

Data Science Projects

Barcelona Air, 2022
Time Series Analysis of N02 and PM10 concentrations between 2019 and 2022 in a neighborhood of Barcelona. An ARIMA forecasting model is fitted with Python and R.

Space X, 2022
3rd Place of the Talent Squad-Data Science Challenge. Classification model to predict the states of turbulence from a space rocket. Python's sklearn library is used in this project.