



Adrián Hinojosa Calleja

Data Scientist | Ph.D. Mathematics

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A Data Scientist and Ph.D. Mathematics specializes in Probability. Machine Learning experience with pandas, statsmodel, and sklearn Python's libraries. +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 Bootcamp

It Academy, 2022

Introduction to Functional

Data Analysis with R

UAB, 2018

Technical Skills

- Python
- R
- SQL
- Power BI
- Java

Soft Skills

- Problem resolution
- Critical thinking
- Teamwork
- Leadership

Work Experience

Predoctoral Researcher

Universitat de Barcelona
April 2017 to January 2022
Researcher 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 was fitted with Python and R.

Space X, 2022

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