

# Alejandro Calle-Saldarriaga

<https://acallesalda.github.io>  
callesaldarr@wisc.edu | 608.217.7082

## EDUCATION

### UNIVERSITY OF WISCONSIN-MADISON

#### PH.D. IN STATISTICS (FUNDED)

Expected May 2027 | Madison, WI  
Cum. GPA: 3.74/4.0

### UNIVERSIDAD EAFIT

#### MSC IN APPLIED MATH (FUNDED)

Graduated November 2020 | Medellin, Colombia

Cum. GPA: 4.8 / 5.0

Funded By Universidad EAFIT

#### BSC. IN ENGINEERING MATHEMATICS

Graduated November 2018 | Medellin, Colombia

Cum. GPA: 4.5 / 5.0

## PI SCHOOL

### SCHOLAR AT THE SCHOOL OF AI (FUNDED)

Received two months full scholarship  
| Worked on machine learning techniques applied to voice signals

## LINKS

Github:// [acallesalda](https://acallesalda)

LinkedIn://

[alejandro-calle-saldarriaga-188613149/](https://www.linkedin.com/in/alejandro-calle-saldarriaga-188613149/)

## SKILLS

### PROGRAMMING

Languages

Python • R • Julia • Matlab • C++

Libraries

PyTorch • SciKitLearn • lme4

Software

UNIX •  $\text{\LaTeX}$

### STATS AND ML

Bayesian statistics • Functional Data Analysis • Deep Learning

## EXPERIENCE

### UW MADISON RESEARCH ASSISTANT + TEACHING ASSISTANT

August 2022 - Current | Madison, WI

- TA for Stat 301 (Introduction to Statistics), Stat 371 (Introduction to Statistics for Life Sciences), Stat 312 (Introduction to Theory and Methods of Mathematical Statistics II).
- RA in Katzfuss group <https://sites.google.com/view/katzfuss/group> (Gaussian Processes for multi-fidelity emulation of climate models)

### SOMOS INTERNET DATA SCIENTIST

Feb 2022 - Aug 2022

- Data scientist for the network development team, worked on metrics for network monitoring.
- yCombinator W21

### UNIVERSIDAD EAFIT LECTURER + TEACHING ASSISTANT + RESEARCH ASSISTANT

August 2017 - November 2022

- Lecturer for two undergrad courses (Intro stats) and one master course (Functional Data Analysis)
- TA for Formal Languages and Automatas, Statistics.
- Research assistant for Prof. Henry Laniado and Prof. Francisco Zuluaga (Functional Data Analysis)
- Research intern in GRIMMAT (Mathematical Modelling Research Group) under Prof. Olga Lucia Quintero (Machine Learning)
- Research Assistant in GRID (Design Engineering Research Group)

### WORLD BANK

#### DATA SCIENTIST CONSULTANT

November 2020 - June 2021

- Machine learning/remote sensing techniques to estimate demographic variables.

### GRUPO KONECTA DATA SCIENTIST

- One of the biggest BPO companies in the spanish speaking world.
- Improvement of existent models
- Involvement in all steps of the software development cycle to push the models into production.

## WRITING

### JOURNAL PUBLICATION ALEJANDRO CALLE-SALDARRIAGA, HENRY LANIADO, FRANCISCO ZULUAGA, VÍCTOR LEIVA

Homogeneity tests for functional data based on depth-depth plots with chemical applications, Chemometrics and Intelligent Laboratory Systems, 2021, 104420, ISSN 0169-

7439, <https://doi.org/10.1016/j.chemolab.2021.104420>.