

ANTONIO AGUIRRE

Ph.D. Student in Statistical Science

@ jaguir26@ucsc.edu +1 (831) 5159264 Santa Cruz, CA

EXPERIENCE

Data Analyst

NeatLeaf Inc.

📅 2021-2022 📍 Scotts Valley, CA

Work on data pipeline infrastructure for live time microclimate measurements for several indoor greenhouses, and its statistical modeling for anomaly detection.

Data Analyst

Banco de Mexico & CONACYT

📅 2018-2019 📍 Mexico City, Mexico

Worked on data driven projects related to fake bill detection, stock market prices shocks and official statistics data analysis.

ACADEMIC EXPERIENCE

Teacher Assistant

University of California, Santa Cruz

📅 2021-2023 📍 Santa Cruz, CA

Introduction to Statistics (STAT5)

Mentor

Data Fest

📅 2023-2023 📍 Fresno, CA

Help teams with coding, (R, Python, Matlab, and STATA), and advising for their projects.

Research Assistant Level II

CONACYT - Microeconomic Research

📅 2020 📍 Mexico City, Mexico

Time Series Modeling for Non-Fundamental financial data: Stock market's Volumes, Interests rates (Mexico & USA) and Real Capital Stock for OECD members. <https://doi.org/10.1093/ectj/utac001>, published in May 2022

Teaching Assistant

Instituto Tecnológico Autónomo de México

📅 2015-2020 📍 Mexico City, Mexico

Basic, Intermediate and Advanced Macroeconomics; Basic, Intermediate and Advanced Microeconomics, Probability Theory, Real Analysis

Research Assistant

Ignacio Lobato - Econometrics

📅 2019 📍 Mexico City, Mexico

EDUCATION

B.Sc. Applied Mathematics

Instituto Tecnológico Autónomo de México

📅 January 2014 - June 2018

Grade: 97.1/100

Thesis title: A Model Of Choice From Lists

Graduated Status: Graduated with Honors

M.Sc. Economic Theory

Instituto Tecnológico Autónomo de México

📅 August 2018 - December 2020

Grade: 96.7/100

Thesis topic: Non-Fundamental Time Series. Evidence and Modeling.

Graduated Status: Thesis Defense expected on August 2021

FELLOWSHIPS

B.Sc: 50% - Bailleres Fellowship (2014-2018)

M.Sc: 100% - Bailleres Fellowship (2018-2020)

SCHOLARSHIPS

UW & NSF: Summer 22' on the Institute in Statistical Genetics (SISG) & the Institute in Statistics and Modeling in Infectious Diseases (SISMID)

CERTIFICATIONS

Professional Communication Certificate Program (PCCP), UCSC, Fall 21'

PROGRAMMING SKILLS

R Python SQL Matlab AMPL
Stata Eviews \LaTeX Java C

OTHER

Evidence of Non-fundamentalness in Capital, Empirical Economics (EMEC), submitted by April 2023 (Co-Author)

Data cleaning, model's implementation code, model's diagnosis, results evaluation and referees' recommended modifications.

Research Assistant

[Levent Ulku - Choice Theory](#)

📅 2019

📍 Mexico City, Mexico

Theoretical modeling and characterization of choice correspondences among lists.

Minor Faculty of Statistics

[Instituto Tecnológico Autónomo de México](#)

📅 2018

📍 Mexico City, Mexico

Undergraduate Faculty of Mathematics

[Instituto Tecnológico Autónomo de México](#)

📅 2017

📍 Mexico City, Mexico

Staff Member (Grader)

[Mexican Mathematics Olympiad](#)

📅 2016

📍 Mexico City, Mexico
