

Juan Andrés Montero Zúñiga

Curriculum Vitae

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Education

University of Costa Rica

- Bachelor's in Economics, 2021 – Present

COVAO

- Industrial Electronics Technician, 2017 – 2020

IPEA ENGLISH CENTER

- Advanced Conversational English 2, 2015 – 2019

Skills and Abilities

Languages

Advanced: English, Portuguese, Spanish

Intermediate: French

Basic: Mandarin, Italian

Programming languages: Python, STATA, R, \LaTeX , Git, CSS, HTML, JavaScript, and Linux.

Other skills

Data analysis, Econometric and statistical methods, Office, Web development (Drupal, Astro, etc.), PowerBI, SQL, and Linux (Ubuntu).

Experience

Research Intern | BANHVI | Aug 2024 – Present

- Analyzing and writing reports using data from BANHVI, BCCR, INEC, and CFIA.
- Comparative research and analysis of international housing bond allocation models in Latin America.
- Data analysis from ENIGH and ENAHO databases for reports on housing bond allocation and social stratification for BANHVI programs.
- Data management using Excel, Stata, Python, and R, from sources such as BANHVI, BCCR, INEC, and CFIA.

Macroeconomics Assistant | University of Costa Rica | June 2024 – Present

- Developing and preparing labs using econometric methods in Python (Google Colab), R, and STATA, as well as developing material in LaTeX and Jupyter (RISE).
- Supervised by PhD. Esteban Méndez.
- <https://github.com/juanandres-montero/macroeconometria>

Assistant for TCU TC-665 Nirien Life Skills | University of Costa Rica | March 2024 – Present

- Developing and organizing the Excel course taught by the School of Economics at UCR to the public.
- Managing internal enrollment, assigning groups and schedules to students.
- Selecting tutors based on their availability.
- Overseeing the registration of approved students for certificate issuance.
- Coordinating student participation in educational tours.

Microeconometrics Assistant | University of Costa Rica | March 2024 – Aug 2024

- Developing and preparing labs using econometric methods in Python (Google Colab) and STATA, alongside material development in LaTeX and Jupyter (RISE).
- Supervised by PhD. Randall Romero.
- <https://github.com/juanandres-montero/microeconometria>

Assistant for Introduction to Economics for Economists and Non-Economists | University of Costa Rica | March 2023 – Aug 2024

- Developed a question bank for the course.
- Created assessments and quizzes.
- Coordinated the creation and distribution of exams.
- Held sessions for solving doubts and practicing exams.
- Managed lists in Excel and assisted in preparing educational resources.

Computation for Economists Assistant | University of Costa Rica | Aug 2023 – Dec 2023

- Provided technical guidance and support in programming and data analysis.
- Served as a resource for peers and faculty.

Industrial Electronics Technician | National Teacher's Life Insurance Society | 2020 – 2021

- Oversaw electrical and electronic systems related to electricity, internet, software, and security.
- Managed systems on the organization's website.