Iván Daniel Rodríguez Cruz

Cartago, Costa Rica | ivanrocruz27@gmail.com | <u>LinkedIn</u> | <u>Website</u>

PROFILE

Senior Statistics Undergraduate at the University of Costa Rica (graduation expected February 2025) with extensive experience in managing and analyzing complex survey datasets. At Anker Research Institute, I benchmark global living wages and assess income risks, delivering actionable insights for policymakers. My work at the Institute of Social Research focuses on inequality, income distribution, and socioeconomic disparities through advanced statistical modeling. Proficient in R, SPSS, STATA, and Excel. I leverage data-driven insights to support multilateral development strategies and inform global decision-making processes.

EDUCATION

University of Costa Rica, San José, Costa Rica   March 2020 to December 2024
B.S. in Statistics (Expected: February 2025)   GPA: 3.3/4.0 (estimate)

PROFESSIONAL EXPERIENCE

Anker Research Institute, New York, NYC (remote)   September 2024 to Present
Junior Researcher
- Benchmarked living wages across Costa Rica, Indonesia, Malawi, and Tanzania to guide wage policies.
- Assessed income risks and regional disparities in Tanzania for global reference alignment.
- Provided policymakers with actionable benchmarks using advanced statistical analysis.

Center for Research in Pure and Applied Mathematics (CIMPA), University of Costa Rica, San José, Costa Rica   September 2024 to Present
Research Assistant
- Analyzed mosquito habitat and disease data in R to model disease spread.
- Enhanced model accuracy by integrating and cleaning multisource datasets (e.g. GLOBE-NASA).

Institute of Social Research (IIS), University of Costa Rica, San José, Costa Rica   August 2023 to Present
Research Assistant
- Estimated income and living wages using statistical techniques, evaluating wage adequacy across 12 subnational regions to inform regional policy on income levels.
- Examined income disparities across cantons using R and STATA, producing actionable insights.
- Managed and analyzed complex survey datasets using weighted data techniques to ensure accurate and representative results.

Academic Evaluation Center (CEA), University of Costa Rica, San José, Costa Rica   January 2023 to September 2023
Statistical Research Assistant
- Designed surveys in LimeSurvey to streamline academic program evaluations.
- Created statistical reports in R to improve curricula for various disciplines (e.g. Physics, Visual Arts, Business Informatics, and English).

LEADERSHIP

National State Program (PEN) – San José, Costa Rica   March 2024 to August 2024
Statistical Research Assistant
- Analyzed PISA datasets, identifying trends across 12 Latin American countries, supporting data-driven educational reforms.
- Used psychometric analysis to evaluate digital competencies in 2022 PISA tests.

CERTIFICATIONS & TRAINING

Costa Rica Big Data School, National High Technology Center (CENAT).   August 2024
- Data analysis techniques with R and Python (e.g. manipulation and exploratory analysis).
- Introduction to machine learning and statistical models.

Microsoft Excel 2019 Academic Certification, Universidad Latina de Costa Rica.   March 2019
- Advanced Excel techniques (60 hours).

SKILLS/INTERESTS

Computer/Software: R, SPSS, Microsoft Excel, LATEX, STATA, LimeSurvey, Power Bi.

Languages: Spanish (native), French (B1, DELF Certification), English (basic).