Samuel E. Calderon

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Professional summary:

- Bachelor's degree in Political Science from Antonio Ruiz de Montoya University, Lima - Peru. Currently in the process of getting a Master's degree in Informatics & Computer Science
- 6+ years of experience in the collection, supervision, and analysis of quantitative data and performance indicators for the public and private sector.
- Advanced proficiency in the R programming language (package development, web apps, APIs, statistical graphics, and dashboards).
- Speaker at LatinR 2023-2025, ShinyConf 2025, and UseR 2026
- Did the "Optimizing performance in Shiny: Tips and best practices" at Shinyconf 2025 (over 550 attendees)
- Author of in-CRAN R packages SSEparser, appsheet, gptstudio (co-author). They provide helpers for interacting with third party APIs.
- I have a blog. It has been featured on R-weekly because I'm generally posting R-related stuff.

Education:

2011 - 2016	**ANTONIO RUIZ DE MONTOYA UNIVERSITY** Undergraduate studies in Political Science, Faculty of Social Sciences.
03/2024 - Present	**PONTIFICIA UNIVERSIDAD CATÓLICA DEL PERÚ** Master - Informatics and computer science

Work experience:

03/2024 - Present **Appsilon**

R Shiny developer

Responsibilities: Design, develop, ship, and maintain responsive and intuitive web applications using R shiny, incorporating best practices such as reactive programming and modular design patterns. R shiny apps and APIs deployments with Posit Connect and Posit Workbench. Implementing CI/CD with Github Actions, testing suite with testthat and cypress, loadtest with Playwright, and custom components using R, JS and SQL to extend Shiny's functionality when necessary. Create and maintain technical documentation, reports, and presentations with Rmarkdown and Quarto, to be read by stakeholders.

05/2022 - 12/2023 **Ministry of the Interior - Peru**

Data Analyst for the General Directorate against Organized Crime

Responsibilities: Generating and systematizing information related to the control, confiscation, and destruction of drugs in dashboards and reports using R shiny, DT, plotly, shinyWidgets, bslib, etc. Analyzing internal processes and developing tools for monitoring public policy indicators and issues related to the fight against drugs. Data wrangling and visualization using dplyr, ggplot2, tidyverse, etc.

08/2020 - 02/2022 **National Superintendence of Higher Education - Peru**

Data Analyst at the Licensing Directorate

Responsibilities: Collecting, analyzing, and systematizing statistical information on higher education at the national and international levels. Developing indicators for measuring quality in administrative, academic, cultural, human resources, and continuous improvement management for the Peruvian higher education system. Reporting with ggplot2, plotly, tidyverse, janitor, and other data wrangling packages.

03/2020 - 06/2020 and 11/2020 - 12/2020 **Ministry of Education - Peru**

Data Analysis services at the Directorate of Technical Productive, Technological and Artistic Higher Education Services

Responsibilities: Developing diagnostic tools and systematizing information based on information management indicators for public higher education institutes using python and R libraries.

| 04/2019 - 08/2020 | **Ministry of Housing, Construction, and Sanitation - Peru** |

Data Analyst at the Integrity and Anti-Corruption Office

Responsibilities: Monitoring, systematizing, processing, and analyzing information and indicators, and developing guidelines for the Office of Integrity and Anti-Corruption. Reporting using ggplot2, dplyr, and rmarkdown.

| 10/2018 - 12/2018 | **National School of Public Administration - ENAP - Peru** |

Academic Training Assistant

Responsibilities: Providing academic assistance, both in-person and virtually, for the implementation, execution, and evaluation of training courses on Training Management and Performance Management (for HR representatives).

| 05/18 | **Ministry of Health - General Directorate of Health Operations - Peru** |

Survey Supervisor

Responsibilities: Supervising surveyors, processing, and analyzing the consistency of information collected in the "Health Thermometer" Project.

| 11/2017 - 12/2017 | **Ministry of Health - General Directorate of Health Operations - Peru** |

Survey Supervisor

Responsibilities: Supervising surveyors, processing, and analyzing the consistency of information collected in the Pilot Project "Health Traffic Light".

| 06/2016 - 09/2017 | **National Institute of Statistics and Informatics - Peru** |

Survey Application Operator

Responsibilities: Gathering information in households, processing, and analyzing the consistency of information collected in the National Household Survey - ENAHO, for poverty measurement.

Complementary Education:

08/2018 - 12/2018   **National School of Statistics and Informatics - Peru**

Specialization in Applied Statistics

08/2019 - 12/2019   **Pontifical Catholic University of Peru**

Diploma in Public Management Studies