

César Andrés CABRERA CABERO



PROFILE

Mathematician with a Master's degree in Economics and solid experience in quantitative analysis and solving complex problems. Specialized in programming and computational tools for data analysis, with outstanding skills in building econometric models, market dynamics analysis, and economic trend studies. Rigorous, data-driven approach, ideal for contributing to teams requiring advanced analytical and quantitative skills.

CONTACT DETAILS

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PERSONAL INFORMATION

Date of birth: **07/21/1986**
Nationality: **Bolivian**
Languages: **English** (B1),
Portuguese (A2), **Spanish** (native)

SKILLS

- Python, R, Matlab, Scilab
- MS Word, Excel, PowerPoint, $\text{\LaTeX}$
- RStudio, Vscode, PPro8, ICTs

EDUCATION

MASTER'S IN ECONOMIC ENGINEERING. Graduate School of Economic Sciences. *Universidad Mayor de San Simón*. **2024**

◊ Thesis title: *Calibration of a multi-period model for bank runs applied to Banco Sol*.

BACHELOR'S IN MATHEMATICAL ENGINEERING. Faculty of Science and Technology. *Universidad Mayor de San Simón*. **2013**

◊ Thesis title: *A mathematical model of an aerobic biological purification station*.

ADDITIONAL EDUCATION

DIPLOMA IN QUANTITATIVE METHODS FOR ECONOMIC ANALYSIS. *UPB*. **2017**

◊ Calibration of econometric models for economic analysis using specialized software.

DIPLOMA IN COMPETENCY-BASED HIGHER EDUCATION TEACHING. Graduate School *Universidad Mayor de San Simón*. **2015**

◊ Curriculum development based on competencies.

EXPERIENCE

PROFESSOR at *UPB*. **03/2015–present**

◊ Subjects: Mathematics, Accounting, Linear Algebra, Statistics, Modeling, and Stochastic Calculus.

PROFESSOR at *EMI*. **06/2020–11/2023**

◊ Subjects: Econometrics I, Econometrics II, Matrix Algebra, and Calculus I.

PROFESSOR at *USIP*. **11/2013–12/2021**

◊ Subjects: Mathematical Analysis, Topology, Differential Equations, Numerical Methods, Measure Theory.

PROFESSOR at *UNIVALLE*. **07/2016–07/2019**

◊ Subjects: Numerical Methods, Algebra II, Differential Equations, and Calculus.

PUBLICATIONS

BOOK CHAPTER: Jorge, S., Rosalyn, P.-G., & Cabrera Cabero, C. A. (2023). *Bolivian cansat contest: Promoting space science and technology*. In A. Froehlich (Ed.), *Space fostering Latin American societies: Developing the Latin American continent through space, part 4* (pp. 79-95). Cham: Springer Nature Switzerland. DOI: 10.1007/978-3-031-20675-7_5.

BOOK CHAPTER: Samuel Tomas, Saul Ancari, Roberto Soruco, Carlos de la Torre, Santiago Relos, Shirley Ballón, Cesar Cabrera, Dodovrosky Medrano, Richard Huanca, Roberto Terceros, Carlos Anibarro, Erwin Veneros, & Alejandro Romero. (2024). *Las matemáticas en el futuro de las ingenierías*. En Universidad Privada Boliviana (Ed.), *El futuro del conocimiento 2023-2030. Análisis de las carreras de la Facultad de Ingenierías y Arquitectura* (pp. 13-28). Cochabamba, Bolivia: UPB Ediciones.

AWARDS AND MEMBERSHIPS

Board member of Sobolmat (Bolivian Mathematical Society).