

Juan Sebastian Sandoval Hoyos

Contact Information

Nationality: Colombian

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Profile

PhD student in Financial Planning at UGA with academic publications. Proficient in programming and data management. Experienced in developing experimental design, project implementation, financial advice, and delivering lectures on financial topics and quantitative methods. Committed to driving impactful advancements in household finance.

Education

Master's in economics

January 2014 - December 2015

Pontificia Universidad Javeriana

Graduation date 14/05/2016

Thesis title: *Disposition Effect: Measurement and consequences*

Thesis supervisor: Dr Julio Sarmiento

GPA 3.92/5.0

Economist

January 2009 - June 2013

Pontificia Universidad Javeriana

Graduation date 23/11/2013

GPA 4.02/5.0

Awards and Publications

Distinctions

- Second place, Capital Markets Architects Competition in the undergraduate category with the article *Early warning of price bubbles: an application to the Colombian stock market* with Nicolás Ronderos, November 2015.

Publications

- Sarmiento, J., Sadeghi, M., **Sandoval, J. S.**, & Cayon, E. (2021). The application of proxy methods for estimating the cost of equity for unlisted companies: evidence from listed firms. *Review of Quantitative Finance and Accounting*, 1-23.
- Sarmiento, J., Cayon, E., Rendon, J., & **Sandoval, J.** (2019). The Disposition Effect and the Relevance of the Reference Period: Evidence Among Sophisticated Investors. *Journal of Behavioral and Experimental Finance*, 24, 100211.

Conference presentation: 14th Simposio de Finanzas PUJ 2017, Behavioral Finance Workshop EAFIT 2017.

- Sarmiento, J., Cayon, E., Collazos, M., & **Sandoval, J. S.** (2017). Positive asymmetric information in volatile environments: The black market dollar and sovereign bond yields in Venezuela. *Research in International Business and Finance*, 41, 547-555.
- **Sandoval, J.** (2015). How Much Do Economists Know About Behavioral Economics? *Economics student magazine Outlier* No 10.

Working papers

- Financial literacy and Finance Behaviors in Latin America (with Julio Sarmiento, Maria Collazos, Edgardo Cayon).
- Beyond budget: structural conditioning and actors' responses for food security in Colombia during the COVID-19 pandemic (with Sonia Lopez and Laura Blanco).
- Latin American Implied Exchange Rates in Cryptocurrencies (with Jairo Rendon).

Teaching Experience

U – Undergraduate level. G – Graduate level.

Pontificia Universidad Javeriana

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|---------------------------------|--------------------------|
| • Corporate Finance (U) | January 2017 - Present |
| • Managerial Finance (U) | January 2018 – June 2023 |
| • Introduction to Bloomberg (U) | June 2017 – June 2019 |
| • Foundations of Finance (G) | March 2022 – June 2023 |

Universidad de la Sabana

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|-------------------------|--------------------------|
| • Macroeconometrics (U) | January 2017 - June 2017 |
|-------------------------|--------------------------|

Universidad Santo Tomas

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|--|------------------------------|
| • Econometric Analysis with STATA and Big Data (G) | July 2020 |
| • Econometric and Time Series (G) | August 2018 - September 2018 |

Work Experience

Research Assistant

August 2014 – June 2023

Pontificia Universidad Javeriana (Bogotá, Colombia)

- Performed literature reviews, programming development and database administration on databases such as COMPUSTAT, CRSP, Bloomberg, and Thomson Reuter Holdings.
- Gave training on Bloomberg to students from economic and management programs.
- Collaborated on writing articles and carrying out the submission and publication processes.

Supported articles:

- Effect of Transport Improvements on Urban Form, Employment Location and Prices (2018) of Guillermo Sinisterra to University at Buffalo.

Assistant and Consultant

June 2019 – June 2020

Consultorio de Finanzas Familiares, Pontificia Universidad Javeriana (Bogotá, Colombia)

- Be part of the committee whose primary functions are defining the strategic plan, the guides for the office operations and the review recommendations given to users.
- Develop sessions with users and their recommendations.
- Develop protocols and supporting tools for sessions with users.
- Support the structuration and implementation of the project “Más allá del bolsillo: perspectivas para un plato saludable para familias del barrio Los Libertadores, localidad de San Cristóbal” financed by the program of the university Servicio San Francisco Javier.

Internship in the real estate banking area

February 2013 - August 2013

Bancolombia S.A. (Bogotá, Colombia)

Monitor in Advanced Econometrics

January 2012 - November 2012

Pontificia Universidad Javeriana (Bogotá, Colombia)

Consultancies

Consumer & Insights (Colombia)

Q1 2022

Assisted with estimating the demand price-elasticities of several products (MNL model) and developed some sales forecasts using SARIMA and the Holt-Winters model.

LATIR Foundation (Colombia)

Q4 2021

Assisted as a volunteer in formulating the strategic plan 2021 to 2025 of the NGO and assist some board of directors' decisions around its implementation.

Building Company (Colombia)

Q4 2021

Proposed a budget assignation using quantitative tools, particularly a VEC model, of several advertising channels to improve their leads and sales.

United Nations Development Program - UNDP (Colombia)

Q3-Q4 2021

Assisted in the literature review and propose tests to evaluate a program promoting alternative methods of resolution of conflicts in areas with challenging institutional situations.

Company of Personal Care Products (Colombia)

Q1 2021

Developed a budget focused on the capital work of the company to project and take under control their cash flows.

District Secretary for Security, Coexistence and Justice of Bogota (Colombia) Q3-Q4 2020

Supported in the literature review and propose tests to find people's characteristics that make them more prone to search formal conflict resolution mechanisms once they have a legal necessity. The main issue by the local government is that gender violence within families is not usually reported to authorities.

Collection Company (Colombia)

Q2 2020

Worked in the literature review and propose tests to find debtors characteristics who are more prone to comply with a payment agreement.

Languages

Spanish: Native
English: Proficient
IELTS: 8.0 on 27/09/2022

Software

Recently employed (less than a year):

- Basic: SQL.
- Intermedium: Stata, R, Bloomberg, Python.
- Advance: Office.

Employed for more than a year ago: Matlab, EViews, RiskSimulator, Nvivo.

Certificates

Bloomberg Market Concepts (BMC) October 2022
Bloomberg

Affiliations

Financial Management Association (FMA) April 2019 – April 2020

Additional Formation

Introduction to Mathematical Thinking June 2021
Stanford University (Coursera)

Using Behavioral Experiments to Optimize Decision Making in Firms and Institutions July 2019
ESADE Business School and Pontificia Universidad Javeriana (18 hours)

Financial Markets (with honors) August 2018
Yale University (Coursera)

Econometrics: Methods and Applications March 2018
Erasmus University Rotterdam (Coursera)

Analysis of Economic and Financial Time Series Applications in RATS September 2015
National University of Colombia (30 hours)

Applied Financial Econometrics October 2014
National University of Colombia (28 hours)