

PEDRO CORREIA SANTOS BEZERRA

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[LinkedIn](#)

Education

2014 - 2016 **M.Sc. in Finance and Quantitative Methods** (36 credit hours), Department of Business Administration, [University of Brasilia](#), Brazil.
Ms. Thesis: SVR-GARCH with a mixture of Gaussian kernels.

- **Selected Coursework:** Statistical Inference (Book: Casella and Berger), Financial Econometrics, Empirical Research in Finance, Corporate Finance.

2014 - 2020
(expected) **B.Sc.in Economics** (136 credit hours - GPA: 3.9578), [University of Brasilia](#), Brazil
Senior Thesis Advisor: [Marina Rossi](#) (PhD, Yale University, 2015)
B.Sc. Thesis: Taxation in an Intertemporal Asset Pricing Model with Dispersed Information

2009 - 2013 **B.Sc. in Accounting** (188 credit hours) , [University of Brasilia](#)
Senior Thesis Advisor: [Paulo Lustosa](#) (PhD, University of São Paulo, 2001)
B.Sc. Thesis: Ownership Structure, Board of Directors and Voluntary Disclosure: evidence from Publicly Listed companies in Brazil.

- [University of Brasilia](#) is a top 10 University in Brazil. **Acceptance rate:** 10%.
- **Programming skills:** R, Stata, Python, Mathematica, SQL
- **TOEFL iBT:** 97 (R=27/30, L= 29/30 , W= 22/30, S=19/30) - Test Date: Oct 19, 2020

Selected Coursework:

- **Math Courses:** Calculus I (Limits, Derivatives, Integrals), Calculus II (Sequence and Series, Differential Equations), Calculus III (Multivariable Calculus), Linear Algebra I (lower-level), Linear Algebra 2 (upper-level), Probability and Statistics I, Probability and Statistics II, Calculus of Probability I, Statistical Inference, Complex Analysis, Numerical Analysis.
- **Economic Courses:** Mathematics for Economics I (Linear Algebra, Optimization, Elementary Real Analysis), Mathematics for Economics II (Integration and Dynamic Methods, Difference Equations, Differential Equations), Econometrics, Time Series Econometrics, Microeconomic Theory I (Consumer Theory; Theory of Firm;), Microeconomic Theory II (General Equilibrium, Social Choice and Welfare, Game Theory) and Microeconomic Theory III (Non-cooperative game theory, normal and extensive forms, games with complete and incomplete information, repeated games, Auction theory), Advanced Microeconomic Analysis (Incentive and Contract Theory), Macroeconomic Theory I (Macroeconomic theory in Short-, Medium-, and Long-run markets) and Macroeconomic Theory II (Book: Carlin Soskice), Advanced Macroeconomics, Industrial Organization, Honors Thesis in Economics.
- **Accounting Courses:** Financial Accounting I, II and III, Tax Accounting, Auditing I and II, Managerial Accounting, Positive Accounting Theory, International Accounting, Accounting Information Systems, Accounting Theory, Controllershship, Corporate Accounting, Corporate Liquidity Management, Corporate Finance, Financial Statement Analysis, Cost Accounting, Quantitative Methods Applied to Accounting, Honors Thesis in Accounting.

Research Interests

Empirical Capital Markets - Financial and Managerial Accounting, Mandatory and Voluntary Disclosures, Information in Financial Markets, Information Economics, Statistical Machine Learning, Asset Pricing under Asymmetric Information.

Published Papers

1. **Bezerra, P.C.S. & Albuquerque, P.H.M.** [Volatility forecasting via SVR-GARCH with mixture of Gaussian kernels](#). **Computational Management Science** (2017) 14: 179. doi:10.1007/s10287-016-0267-0

637 downloads and 15 citations

Based on my Master's Thesis.

2. **Bezerra, Pedro; Lustosa, Paulo ; Sales, Isabel ; Fernandes, Bruno .** [Ownership Structure, Board of Directors and Voluntary Disclosure: evidence from publicly listed companies in Brazil](#). **Revista Universo Contabil**, v. 11, p. 25-46, 2015. doi:10.4270/ruc.2015210

147 downloads and 15 citations

Based on my Bachelor's Thesis in Accounting.

3. **Bezerra, P.C.S. & Albuquerque, P.H.M.** [Volatility forecasting: the support vector regression can beat the random walk](#). **Economic Computation and Economic Cybernetics Studies and Research** (2019), Issue 4/2019; Vol. 53. p. 115-126 DOI: 10.24818/18423264/53.4.19.07 **Impact Factor: 0.664 (JCR 2017)**

Based on my Master's Thesis.

Working Paper

4. **Bezerra, P.C.S. & Rossi, Marina Delmondes de Carvalho.** **Taxation in an Intertemporal Asset Pricing Model with Dispersed Information. 2020**

Based on my Bachelor's Thesis in Economics

Abstract: We find the competitive noisy rational expectations equilibrium of an asset pricing model with tax on return in an economy with two rounds of trading, in which investors have a short-term view and are characterized by overlapping generation hypothesis. The agents are risk averse and their utility is given by a linear combination of the expected value and variance of the return. We assume dispersed information and Gaussian uncertainty. There are informed and noisy traders. Each informed agent observes both the price and a private signal. The solutions are implemented as a Bayesian equilibrium in demand functions.

Research Experience

1. 2018 - 2019 (12 months) - Research Assistant for [Marina Delmondes de Carvalho Rossi](#), Professor of Economics at University of Brasilia:
 - conducted thorough literature review on Asset Pricing, Information in Financial Markets, Noisy Rational Expectations Equilibrium;
 - developed an intertemporal asset pricing model under dispersed and asymmetric information;
 - analyzed the equilibrium of an intertemporal asset pricing model when there is a tax on returns;
 - founded the Bayesian Nash equilibrium of a intertemporal asset pricing model;
 - wrote Wolfram Mathematica codes to find the Noisy Rational Expectations Equilibrium;
 - prepared a manuscript for the presentation of results;

2. 2012-2013 (12 months) - Research Assistant for [Paulo Roberto Barbosa Lustosa](#), Full Professor of Accounting at University of Brasilia
- conducted a systematic literature review on Disclosure Theory, Assymmetric Information in Financial Markets, Voluntary Disclosure and Corporate Governance;
 - collected data from the financial statements of Brazilian listed companies;
 - gathered, cleaned, and analyzed data from financial statements of Brazilian companies using Stata and Eviews;
 - calculated a voluntary disclosure metric of 50 brazilian public companies from 2009 to 2012.
 - built Panel Data Econometric models in Stata and Eviews to analyse the Voluntary Disclosure of more than 50 Brazilian Publicly listed companies.
 - presented the work at the 13th International Conference in Accounting at University of São Paulo (USP).
 - published the article in a first tier Brazilian Accounting Journal;

Referee Service

- Ad-hoc Reviewer for [IEEE Access](#) (2019- present).

Fellowships and Awards

2014-2016	Two-Year Fellowship for Master studies, Coordination for the Improvement of Higher Education Personnel (CAPES), Ministry of Education, Brazil
2014	Certified Public Accountant (CPA) in Brazil - Brazilian Federal Council of Accounting (CFC) (Exam Pass Rate: 30%) - License Number : DF- 026892/0-0
2012 - 2013	One-Year Undergraduate Research Initiation Fellowship, National Council for Scientific and Technological Development (CNPq), Ministry of Science, Technology and Innovation, Brazil
2013	Diplôme D'études en Langue Française (DELF B1), Centre International d'études Pédagogiques (CIEP)
2010	Certificate of Proficiency in English as a foreign language (ECPE), The University of Michigan.

Research Positions

2018- 2019	Research Assistant for Marina Delmondes de Carvalho Rossi , Professor of Economics at University of Brasilia
2012-2013	Research Assistant for Paulo Roberto Barbosa Lustosa , Full Professor of Accounting at University of Brasilia (UnB)

Conference Participation

2013	13th International Conference in Accounting at University of São Paulo (USP).
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Personal Information

Languages: English (fluent), French (intermediate), Spanish (beginner), Portuguese (Native).

References

Professor Marina Delmondes de Carvalho Rossi

PhD, Yale University, 2015

Professor of Economics (2015- present)

Department of Economics, University of Brasilia (UnB)

email: marinadcrossi@gmail.com or marinarossi@unb.br

Professor Paulo Roberto Barbosa Lustosa

PhD, University of São Paulo, 2001

Full Professor of Accounting (2002- present)

Department of Accounting, University of Brasilia (UnB)

Visiting Scholar - University of Illinois at Urbana-Champaign, 2017 - 2018.

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