

Jose Cesar Cruz Jr.

January, 2021

1167 Department of Economics
Federal University of Sao Carlos
Sorocaba, Sao Paulo, Brazil 18052-780
www.economia.ufscar.br/cesar

cesarcruz@ufscar.br/cesarcruzjr@gmail.com
Office: +55-15-3229-6107
Skype: cesarcjr

EDUCATION

2009 Ph.D., Applied Economics, University of Sao Paulo
2004 M.Sc., Applied Economics, Federal University of Vicosa
2002 B.Sc., Economics, Federal University of Vicosa

ACADEMIC POSITIONS

2019 – Coordinator, Graduate Program in Economics, Federal University of Sao Carlos
2016 – 2017 Visiting Professor, Department of Agricultural and Consumer Economics, University of Illinois at Urbana-Champaign
2009 – Associate Professor, Department of Economics, Federal University of Sao Carlos
2008 Research Scholar, Department of Agricultural and Consumer Economics, University of Illinois, Urbana-Champaign

TEACHING EXPERIENCE

Undergraduate Courses

Federal University of Sao Carlos, Department of Economics

Derivatives – *English* (2019 –), Financial Markets and Derivatives (2010 –), Accounting and Financial Analysis (2010 –), Financial Mathematics (2010 –), Monetary and Financial Economics (2011 –), International Economics (2010), Research Methods in Economics (2010)

University of Illinois at Urbana-Champaign, Department of Agricultural and Consumer Economics

Commodity Futures and Options (2016 – 2017)

Graduate Courses

Federal University of Sao Carlos (M.Sc. in Economics)

Commodity Futures and Options – *English* (2017 –), Graduate Seminar (2010 –), Derivatives (2014)

Professional Certificate Programs (Extension)

Specialization Courses in: Business and Economics (Federal University of Sao Carlos), Finance (Federal University of Sao Carlos and the State University of Campinas), and Agribusiness (University of Sao Paulo)

Applied Statistics (2007 –), Risk Analysis (2012, 2013), Financial Project Management (2015), Portfolio Management (2011 –), Financial Markets (2012 –), Statistics and Econometrics (2015), Derivatives (2008 – 2009); *Online Courses*: Applied Statistics (2013 –), Financial Markets (2019 –)

PROFESSIONAL ACTIVITIES

Federal University of Sao Carlos (UFSCar)

2019 – Coordinator, Graduate Program in Economics
2018 – Faculty Advisor, Chartered Financial Analyst (CFA) Institute Research Challenge
2018 – Advisor, Junior Achievement

- 2017 – Advisor, Financial Markets League
- 2012 – Co-Founder & Coordinator, professional specialization course in Business and Economics of the Department of Economics at the Federal University of Sao Carlos
- 2010 – Academic Advisor, 10 M.Sc. and 22 B.Sc. students
- 2010 – 2016 Coordinator, undergraduate internships

University of Illinois, Urbana-Champaign

- 2016 – 2017, 2008 Research at the Department of Agricultural and Consumer Economics investigating commodity price analysis and the use of risk management among agricultural producers
Supervisor: Dr. Scott H. Irwin

CEOX Planning and Optimization, Inc.

- 2010 – Co-Founder, consulting company focusing on economic and financial analysis of the Brazilian sugar-ethanol industry. Providing training courses, consulting over 20 mills on issuing and trading Decarbonization Credits (CBIOs), as part of the Brazilian National Biofuels Policy (RenovaBio)

Program for Continuing Education in Economics and Management, ESALQ, University of Sao Paulo

- 2014, 2013, 2012, 2011, & 2010 U.S. Corn Belt Tour Coordinator, conducting five tours with professional continuing education students to U.S. grain, oilseed, and livestock farms and industry
- 2007 – Consultant, collaborating in projects to aid agricultural producers in their financial planning, and performing project analyses of the sugar-ethanol industry

HONORS & GRANTS

- 2019, 2020 CFA Institute Research Challenge Finalist, Brazil (Faculty advisor)
- 2016, 2015, & 2013 Honored Professor, Department of Economics, UFSCar
- 2015 Brazilian Ministry of Education: Financial education project (US \$25,000)
- 2010 Sao Paulo Research Foundation: Research project (US \$23,000)

PUBLICATIONS

Duarte, J. J., Gonzales, S. M., Cruz Jr., J.C. “Predicting stock price falls using news data: evidence from the Brazilian market”. *Computational Economics*, 57(2020): 1-30.

Areias, A.A., Cruz Jr., J.C., Faria, L.C., Yamaji, F.M. “A logistical and economical approach to coordinating a biomass supply chain, including energy characteristics”. *Research, Society and Development*, 9(2020): 1-23.

Areias, A.A., Cruz Jr. J.C., Yamaji, F.M. “Biomass as a sustainable energy generation resource”. *Scientific Electronic Archives*, 13(2020): 120-128.

[Capitani, D. H. D., Cruz Jr., J.C., Tonin, J. M. (2019) “Hedging strategies for Brazilian ethanol: an analysis of domestic and foreign futures contracts.” *Revista de Ciências da Administração*, 21(2019): 22-28.

Cruz Jr., J.C., Capitani, D.H., Silveira, R. L. F. “The effect of Brazilian corn and soybean crop expansion on price and volatility transmission.” *Economics Bulletin*, 38(2018): 2273-2283.

Capitani, D. H. D., Cruz Jr., J.C., Tonin, J. M. “Integration and hedging efficiency between the Brazilian and the U.S. ethanol markets”. *Contextus – Revista Contemporânea de Economia e Gestão*, 16(2018): 86-110.

Cruz Jr., J. C., Diegues Jr, A. C., Roselino Jr, J. E., Milare, L. F. L., Brandao, C. M. “Brazilian and Chinese Industrial Development: a tale of two different paths”. *Espacios*, 37(2016): 12-22.

Cruz Jr., J. C., Xavier, C. E. O., Milanez, A. Y., Niko, D., Valente, M. S. “Can long term contracts help return on investment in ethanol production in Brazil?” *BNDES Setorial*, 42(2015): 55-100.

Cruz Jr., J. C., Silveira, R. L. F., Saes, M. S., Maia, A. G. “Influence of farmers’ behavioral attitudes on hedging decisions”. *Academia*, 27(2014): 355-365.

Cruz Jr., J. C., Silveira, R. F. L., Saes, M. S. M. “Overconfidence in relation to sale prices: a study among Brazilian coffee producers”. *RAUSP Management Journal*, 48(2013): 399-408.

Cruz Jr., J. C., Silveira, R. L. F., Saes, M. S. M. “Risk management analysis of arabica coffee in Brazil”. *Brazilian Journal of Rural Economy and Sociology*, 50(2012): 397-410.

Cruz Jr., J. C., Irwin, S. H., Marques, P. V., Martines-Filho, J. G., Bacchi, M. R. P. “Overconfidence among Brazilian corn producers and the use of futures markets”. *Brazilian Journal of Rural Economy and Sociology*, 49(2011): 369-390.

PAPERS PRESENTED AT INTERNATIONAL CONFERENCES

Capitani, D. H. D., Tonin, J. M., Cruz Jr., J. C. “Integration and Hedging Efficiency between the Brazilian and the U.S. Ethanol Markets”. In: 2017 Agricultural & Applied Economics Association Annual Meeting, 2017, Chicago.

Guimarães, J.S., Cruz Jr., J.C. “Future Volatility Forecasting in Agricultural Commodity Markets”. In: 2017 Agricultural & Applied Economics Association Annual Meeting, 2017, Chicago.

Cruz Jr., J. C., Silveira, R. F. L., Capitani, D. H. D., Urso, F. S. P., Martines-Filho, J. G. “The effect of Brazilian corn and soybean crop expansion on price and volatility transmission”. In: 2016 Agricultural and Applied Economics Association Annual Meeting, 2016, Boston. <http://ageconsearch.umn.edu/handle/236127>

Cruz Jr, J. C., Silveira, R. F. L., Saes, M. S. M. “Analysis of Price Risk Management by Brazilian Arabica Coffee Producers”. In: 2011 International PENSA Conference, 2011, Buenos Aires.

Cruz Jr, J. C. “Are Brazilian corn producers overconfident about prices?” In: 2009 Agricultural and Applied Economics Association Annual Meeting, 2009, Milwaukee. <http://ageconsearch.umn.edu/handle/49439>

WORKS IN PROGRESS

“Speculative bubbles in the Brazilian corn market: a microstructure approach”

“Analysis of speculative bubbles in the Brazilian commodity futures markets”

“Price discovery in crude oil spot and futures markets”

“Connectivity in the Brazilian and USA corn markets”

“Improving the Food-Water-Energy Nexus performance of agricultural supply chains in Brazil”

“Set the skilled workers free: mobility of workers and innovation in Brazil”

ONGOING PROJECTS

“Evaluation of public policies for the development of green corridors for agro-logistics in Brazil”, Belmont Forum Collaborative Research Action 2018

with Jose Caixeta, ESALQ-LOG Extension Center, University of Sao Paulo