

Allan Vieira de Castro Quadros

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EDUCATION

University of Brasilia - UnB

B.Sc. in Statistics

2018

with Outstanding Student Award

State University of Campinas - Unicamp

M.Sc. in Economic Development

2012

Full Teaching degree (B.Ed.) in Geography

2008

INTERESTS

Statistical Computing, Statistical Learning, Stochastic Processes, Computational Finance, **R** Programming, Astrostatistics

EMPLOYMENT

National Fund for Educational Development - FNDE

Specialist in Educational Financing

2013-now

Consulting

Statistics and Data Science Consultant

2017-now

Investment Consultant (*certified by the Brazilian Brokers Association - ANCORD*)

2011-2012

University Center of Jaguariúna - UniFAJ

Lecturer in Economics

2010-2013

Brazilian Army

First Lieutenant

2003-2009

SCIENTIFIC PRODUCTION

SOFTWARE

2. emstreeR: An R Package for Fast Computing Euclidean Minimum Spanning Trees.

CRAN stable version: <https://cran.r-project.org/package=emstreeR>

Dev version: <https://github.com/allanvc/emstreeR>

1. FisFa. A Software for Contract Management developed in R and Python. Brazilian Patent: BR 51 2016 000212 3. *Two awards winner.*

WORKING PAPERS

Radio Loud and Radio Quiet dichotomy: a multivariate analysis.

Pedro Beaklini, Rafael Souza, Maria Dantas, Allan Quadros, Andre Cancado. *Expected for the beginning of 2019.*

CONFERENCE PAPERS

In Economics:

2. Uma abordagem evolucionista do papel da tecnologia na agricultura (An evolutionary approach on the role of technology in agriculture).

Allan Quadros, Felipe Silva. XIX Brazilian Congress on Economics. Bonito-MS, Brazil. Sep., 2011. *One of the 14 winner articles selected by the referees.*

1. Estratégias de apropriação de quase-rendas na cadeia produtiva de cafés: o caso dos produtores de cafés especiais da Alta Mogiana (Strategies on quasi-rent appropriation in the coffee productive chain: the case of Alta Mogiana's growers).
Allan Quadros. 49th Congress of the Brazilian Rural and Economic Sociology Society (SOBER). Belo Horizonte-MG, Brazil. July, 2011.

WORKING e-BOOKS

Um Curso Prático de Estatística Básica em **R** (A Practical Course on Introductory Statistics using R).

Pedro Brom, Allan Quadros. *Expected for the 2nd semester of 2019.*

PRESENTATIONS

Identificação de Trajetórias Típicas dos Estudantes do ICS/UnB. (Identifying typical students' academic paths at ICS/UnB).

Allan Quadros. 22th Congress on Undergraduate Research - UnB. September, 2017 (poster).

RESEARCH GROUPS AND PROJECTS

3. mlpackR 2018-now
Description: Development of an R package aiming to provide, via RcppMLPACK, all the functions present in mlpack - the C++ Machine Learning Library, so R users do not have to deal with the C++/Rcpp/R integration.
Coordination: Allan Quadros. Number of members: 3.
2. Methods and Inference on Clustering 2017-now
Description: Study and development of new clustering methods and algorithms.
Coordination: Prof. Andre Cançado. Number of members: 5.
1. Student's Risk Assessment - University of Brasilia 2016-2017
Description: Use of Sequence Analysis, Markov Chain, and Logistic Regression to evaluate the risk of students dropping their courses.
Coordination: Prof. Donald Pianto. Number of members: 10.

OTHER WRITING

Quem tem medo de Matemática? (Who is afraid of Math?).

Allan Quadros. A book to help people overcome their fear of mathematics. *In preparation.*

TEACHING

9. Data Analysis with **R** - Intermediate Level Jul. 2018
Instructor, FNDE, 28 hours
8. Data Analysis with **R** - Introductory Level Jan. 2018
Instructor, FNDE, 21 hours
7. Business Economics Fall, 2012
Lecturer, MBA in Financial Management and Accounting, UniFAJ
6. International Trade Spring and Fall, 2012
Lecturer, UniFAJ
5. Management and International Trade Spring, 2012
Invited Lecturer, MBA, Mackenzie Presbyterian University
4. Introduction to Economics Fall, 2012
Lecturer, UniFAJ

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| 3. GL600: Market Studies and Marketing
Teaching Assistant, Unicamp | Spring, 2011 |
| 2. Macroeconomics
Lecturer, UniFAJ | 2010-2012 |
| 1. Microeconomics
Lecturer, UniFAJ | 2010-2012 |

SCHOLARSHIPS

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| 2. Coordination for the Improvement of the Higher Level Personnel - CAPES | Sep. 2009-Feb. 2012 |
| 1. Innovation Agency of Unicamp - INOVA | May-Sep. 2009 |

AWARDS AND RECOGNITION

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| 5. Outstanding Student Award
Honor conceded by the Department of Statistics at UnB to the student with the highest GPA by the time of the graduation. | Sep. 2018 |
| 4. Standout Project in Contract Management
Awarded to the FisFa software at the 4th ANGC Awards - Best Initiatives of the Year on Contract Management | Sep. 2018 |
| 3. 1st Place - Strengthening Internal Controls in Public Administration
Awarded to the FisFa software at CGU's 4th Good Practices Contest, Ministry of Transparency and Comptroller-General of the Union. | Dec. 2016 |
| 2. 1st Place (of 14) at Estágio de Instrução e Preparação de Oficiais da Reserva - EIPOT (Army Reserve Officers' Training Corps Professional Internship)
Brazilian Army. Officer Candidate with the highest grade in the State of Sao Paulo by the end of the military professional internship. | Jul. 2014 |
| 1. 2nd Place (of 25) at Núcleo de Preparação de Oficiais da Reserva - NPOR (Army Reserve Officers' Training Corps)
Brazilian Army, NPOR Campinas-SP. Officer Student with the second highest grade by the time of the graduation. | Dec. 2013 |