# Allan Vieira de Castro Quadros

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## Education

### University of Brasilia - UnB

B.S. Statistics *(with Outstanding Student Award)*     2018

### State University of Campinas - Unicamp

M.S. Economic Development     2012

Full Teaching Degree (B.Ed.) Geography     2008

## Employment

### National Fund for Educational Development - FNDE:

*Educational Financing Specialist*     2013–current

### Consulting:

*Statistics and Data Science Consultant*     current

*Independent Investment Consultant (ANCOR)*     2012

### University of Jaguariuna (UniFAJ):

*Lecturer*     2010-2013

### Brazilian Army:

*First Lieutenant*     2003-2008

## Research Interests

Financial Statistics · Statistical Learning · Stochastic Processes · **R** Programming · Probability Theory · Time Series Analysis · Astrostatistics.

## Scientific Production

### *Working Papers*

P. Beaklini, R. S. de Souza, M. L. Dantas, **A. V. C. Quadros**, A. Cançado. *Radio Loud and Radio Quiet dichotomy: a multivariate analysis* (expeted for 2019).

### *Conference Articles*

[2] **A. V. C. Quadros** (2011). "Estratégias de aproriação de quase-rendas na cadeia produtiva de cafés: o caso dos produtores de cafés especiais da Alta Mogiana". *49º Congresso da Sociedade Brasileira de Economia e Sociologia Rural - SOBER*, Belo Horizonte-MG, Brazil. July, 2011. [Strategies on Quasi-rent appropriation in the coffee production chain: the case of the specialty coffee growers from Alta Mogiana. 49th Congress of the Brazilian Society of Economic and Rural Sociology.]

[1] **A. V. C. Quadros** and F. P. Silva (2011). "Uma abordagem evolucionista do papel da tecnologia na agricultura". *XIX Congresso Brasileiro de Economia*. Bonito-MS, Brazil. September, 2011. [An evolutionary approach on the role of technology in agriculture.19th Brazilian Congress on Economics]. [link] (*One of the 14 winner articles selected by the Congress members* [link]).

*Software*

[2] **[FisFa - Fiscaliza Fatura]**. **A. V. C. Quadros**. A software for contract management developed in **R** and Python. Brazilian Patent: *BR 51 2016 000212 3*. [link]

[1] **[R Package: emstreeR]**. **A. V. C. Quadros**. *emstreeR: an R Package for Fast Computing Euclidean Minimum Spanning Trees.* **(submitted to CRAN)**. [link]

*Working Books*

P. Brom, **A. V. C. Quadros**. *Um Curso Prático de Estatística Básica em R.* [A Practical Course in Statistics using R]. (expected for 2019).

*Presentations*

**A. V. C. Quadros (2017)**. "Identificação de Trajetórias Típicas dos Estudantes do ICS/UnB". *22º Congresso de Iniciação Científica da UnB.* . September, 2017 (poster). [Identifying Typical Trajectories of the Students from ICS/UnB. 22th Scientific Congress on Undergraduate Research of UnB].

*Research Groups and Projects*

[3] Identification of Students' Typical Trajectories     UnB     2016-2017

    Coordination: Professor Donald M. Pianto

    Activities: *use Sequence Analysis, Markov Chain, and Logistic Regression to provide a probability of a student have academic problems and eventually drop its undergraduate course.*

[2] Public Policies, Strategy and Development - PPED     INCT     2010-2012

    Coordination: INCT

    Activities: *provide ideas and innovative strategies that could support public policies in several areas of the Economy.*

[1] Unicamp Innovation Pole and Technological Parks     INOVA/Unicamp     2009

    Coordination: Innovation Agency (INOVA) at Unicamp

    Activities: *provide technical support for the foundation of the Unicamp Innovation Pole and the Technological Parks in the city of Campinas.* [link]

## Teaching Experience

[11] Instructor · "Data Analysis with **R** - Module II - Intermediary". 28 hours course, FNDE, Jul-Ago, 2018.

[10] Instructor · "Data Analysis with **R** - Module I - Basic", 21 hours course, FNDE, Jan-Fev, 2018.

[9] Lecturer · "Business Economics". MBA on Finacial Management, Controlling and Accounting course, University of Jaguariuna (UniFAJ), 2012.

[8] Lecturer · "International Trade". Production Engineering undergraduation course, University of Jaguariuna (UniFAJ), 2012.

[7] Invited Lecturer · "Management and International Trade". MBA course, Mackenzie Presbiterian University, 2012.

[6] Lecturer · "Introduction to Economics". Production Engineering undergraduation course, University of Jaguariuna (UniFAJ), 2012.

[5] Teaching Assistant · "Market studies and Marketing". International Trade Management undergraduation course, UNICAMP/FCA, 2011.

[4] Lecturer · "Microeconomics". Business Administration undergraduation course, University of Jaguariuna (UniFAJ), 2010-2012.

[3] Lecturer · "Macroeconomics". Business Administration undergraduation course, University of Jaguariuna (UniFAJ), 2010-2012.

[2] Lecturer · "Microeconomics". Accounting undergraduation course, University of Jaguariuna (UniFAJ), 2010-2012.

[1] Lecturer · "Macroeconomics". Accounting undergraduation course, University of Jaguariuna (UniFAJ), 2010-2012.

## Scholarships

[2] **2008** Innovation Agency (INOVA) - UNICAMP.

[1] **2008-2012** Coordination for the Improvement of the Higher Level Personnel (CAPES) - Brazilian Ministry of Education.

## Non-academic production

### *Working Books*

**A. V. C. Quadros**. *"Quem tem medo de Matemática?"* ["Who is afraid of Math?"]. (expected for 2019).

## Awards & Recognition

[5] **2018** *Outstanding Student Award* · Honor conceded by the Statistics Department at UnB to the student with the highest GPA by the time of the graduation. [link]

[4] **2018** *Standout Project in Contract Management Award* · Given to the **FisFa** software at the 4th ANGC Awards "Best Iniatives Of The Year on Contract Management".

[3] **2016** *1st Place - Strengthening Internal Controls in Public Administration* · Awarded to the **FisFa** software at CGU's 4th Good Practices Contest. [link]

[2] **2004** *1st Place (of 14) at Estágio de Instrução e Preparação de Oficiais da Reserva (EIPOT) - Brazilian Army* · Officer Candidate with the highest grade in the State of Sao Paulo by the end of the military professional internship.

[1] **2003** *2nd Place (of 25) at Núcleo de Preparação de Oficiais da Reserva (NPOR) (similar to ROTC) - Campinas/SP - Brazilian Army* · Officer Student with the second highest grade by the time of the graduation.