Allan Vieira de Castro Quadros

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EDUCATION

Kansas State University

   Ph.D. in Statistics   2021-present

University of Brasilia - UnB

   B.Sc. in Statistics   2018
Recipient of the "Outstanding Student" Award
Senior thesis: "A new method for finding the number of clusters"

State University of Campinas - Unicamp

2. **M.Sc. in Economic Development**   2012
Thesis: "Governance structures in the coffee production chain: a case study of the Alta Mogiana's growers"

1. **Licenciatura in Geography**   2008

INTERESTS

Computational Statistics; Optimization; Mathematical Finance; Stochastic Processes; and Astrostatistics

EMPLOYMENT

Consulting
Statistics and Data Science Consultant   Jul. 2017 - present

National Fund for Educational Development - FNDE
Lead Data Scientist (special position)   Apr. 2020 - Dec. 2020
Educational Financing Specialist   May 2013 - on leave
Governance and Strategic Management Officer (special position)   Jan. 2019 - May 2019

RCX Investments
Registered Investment Advisor   Jul. 2011 - Jun. 2012
accredited by the Brazilian Investment Advisors Association - ANCORD

University Center of Jaguariuna - UniFAJ
Lecturer in Economics   Jul. 2010 - Apr. 2013

Brazilian Army - Infantry Branch
First Lieutenant   Aug. 2007 - Jun. 2009
Second Lieutenant   Aug. 2004 - Aug. 2007
Officer Candidate   Dec. 2003 - Aug. 2004
Officer Student   Feb. 2003 - Dec. 2003

SCIENTIFIC PRODUCTION

SOFTWARE

4. **onlineretail**: Online Retail Dataset. 2020.
   CRAN stable version: https://cran.r-project.org/package=onlineretail
   Dev version: https://github.com/allanvc/onlineretail

3. **mRpostman**: An IMAP Client for R. 2019.
   CRAN stable version: `https://cran.r-project.org/package=mRpostman`
   Dev version: `https://github.com/allanvc/mRpostman`
   Package's official website: `https://allanvc.github.io/mRpostman`

2. **emstreeR**: Tools for Fast Computing and Plotting Euclidean Minimum Spanning Trees. 2018.
   CRAN stable version: `https://cran.r-project.org/package=emstreeR`
   Dev version: `https://github.com/allanvc/emstreeR`

1. **FisFa - Fiscaliza Fatura** (*Invoice conformity check*). A Software for Contract Management developed in R and Python. 2016.
   Brazilian Patent: BR 51 2016 000212 3. *Two-time awarded software.*

PAPERS

Astrostatistics:

Pedro P B Beaklini, **Allan V C Quadros**, Marcio G B de Avellar, Maria L L Dantas, André L F Cançado. **"AGN dichotomy beyond radio loudness: a Gaussian Mixture Model analysis"**. *Monthly Notices of the Royal Astronomical Society*, Volume 497, Issue 2, September 2020, Pages 1463-1474, `https://doi.org/10.1093/mnras/staa2072`.

CONFERENCE PAPERS

Economics:

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

OTHER WRITING

1. **Allan V C Quadros. "Introduction to Data Analisys with R using the Tidyverse"**
   Portuguese title: Introdução à Análise de Dados em R utilizando Tidyverse.
   An on-line text book that is used in some of my R courses. Available at: `https://allanvc.github.io/book_IADR-T`.

TEACHING

11. Data Analysis with R - Fast Intermediate Level Instructor, FNDE, 15 hours	Aug. 2019
10. Data Analysis with R - Fast Introductory Level Instructor, FNDE, 15 hours	Jul. 2019
9. Data Analysis with R - Intermediate Level Instructor, FNDE, 28 hours	Jul. 2018
8. Data Analysis with R - Introductory Level Instructor, FNDE, 21 hours	Jan. 2018
7. Business Economics Lecturer, MBA in Financial Management and Accounting, UniFAJ	Fall, 2012

6. International Trade   Spring and Fall, 2012
   Lecturer, UniFAJ

5. Introduction to Economics   Fall, 2012
   Lecturer, UniFAJ

4. Management and International Trade   Spring, 2012
   Invited Lecturer, MBA, Mackenzie Presbyterian University

3. GL600: Market Studies and Marketing   Spring, 2011
   Teaching Assistant, Unicamp

2. Macroeconomics   2010 - 2012
   Lecturer, UniFAJ

1. Microeconomics   2010 - 2012
   Lecturer, UniFAJ

SCHOLARSHIPS

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

6. **University of Brasilia's Honor and Merit Award Nominee**   May 2020
   Nominated by the Statistics Department faculty for the University of Brasilia's Honor and Merit
   Award - an honor *"conceded by the university to a former student that has reached national and/or
   international recognition for his services to the society concerning the academic knowledge received
   at the University of Brasilia"*. Department of Statistics, Institute of Exact Sciences, University of
   Brasilia.

5. **Outstanding Student Award**   Sep. 2018
   Honor conceded by the Department of Statistics at UnB to the student with the highest GPA
   (4.9641/5.0) at the end of the undergraduate program.

4. **Standout Project in Contract Management**   Sep. 2018
   Awarded to my FisFa Software at the 4th ANGC Awards - Best Initiatives of the Year on Contract
   Management, National Association of Contract Managers (Associação Nacional dos Gestores de
   Contratos - ANGC), Brazil.

3. **1st Place - Strengthening Internal Controls in Public Administration**   Dec. 2016
   Awarded to my FisFa Software at CGU's 4th Good Practices Contest, Ministry of Transparency
   and Comptroller-General of the Union (Ministério da Transparência e Controladoria Geral da
   União - CGU), Brazil.

2. **1st Place (of 14) at Army Reserve Officers' Training Corps - Professional Internship**
   Jul. 2004
   (*Estágio de Instrução e Preparação de Oficiais Temporários - EIPOT*)
   Officer Candidate with the highest GPA in the State of Sao Paulo in the military professional
   internship, 2nd Military Region, Brazilian Army.

1. **2nd Place (of 25) at Army Reserve Officers' Training Corps - Basic Course** Dec. 2003
   (*Núcleo de Preparação de Oficiais da Reserva - NPOR*)
   Officer Student with the second-highest GPA. NPOR Campinas-SP, Brazilian Army.