

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

State University of Campinas - Unicamp

2. M.Sc. in Economic Development 2012

1. Licenciatura in Geography 2008

INTERESTS

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

EMPLOYMENT

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 Feb. 2003 - Jun. 2009

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.

SELECTED PAPERS

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>.

OTHER WRITING

1. **Allan V C Quadros**. “**Introduction to Data Analysis 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

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| 5. Data Analysis with R - Intermediate Level
Instructor, FNDE, 22 hours | Jul. 2018, Aug. 2019 |
| 4. Data Analysis with R - Introductory Level
Instructor, FNDE, 18 hours | Jan. 2018, Jul. 2019 |
| 3. Business Economics
Lecturer, MBA in Financial Management and Accounting, UniFAJ | Fall, 2012 |
| 2. Management and International Trade
Invited Lecturer, MBA, Mackenzie Presbyterian University | Spring, 2012 |
| 1. Macroeconomics; Microeconomics; Introduction to Economics; International Trade
Lecturer, undergraduate level, UniFAJ | 2010 - 2012 |

AWARDS AND RECOGNITION

4. **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*”.
3. **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.
2. **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 (ANGC), Sao Paulo, Brazil.
1. **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 (CGU), Brasilia, Brazil.