Allan Vieira de Castro Quadros

allanvc.github.io ⋄ quadros@k-state.edu

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

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

EMPLOYMENT

Department of Statistics — Kansas State University
Graduate Teaching Assistant   Jul. 2011 - Jun. 2012

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

FGV Management
Invited Lecturer in Statistics and Data Science   Jul. 2021 - present

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 finance accountability and 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 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

7. Predictive Analysis .... Aug. 2021
Invited Lecturer, FGV Management, 15 hours

6. Exploratory Data Analysis .... Jul. 2021
Invited Lecturer, FGV Management, 15 hours

5. Data Analysis with R - Intermediate Level .... Jul. 2018, Aug. 2019
Instructor, FNDE, 22 hours

4. Data Analysis with R - Introductory Level .... Jan. 2018, Jul. 2019
Instructor, FNDE, 18 hours

3. Business Economics .... Fall, 2012
Lecturer, MBA in Financial Management and Accounting, UniFAJ

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

1. Macroeconomics; Microeconomics; Introduction to Economics; International Trade — 2010 - 2012
Lecturer, undergraduate level, UniFAJ

SCHOLARSHIPS

1. **Ray and Carollyn Waller Scholarship** .... Fall 2021 - Spring 2022
Scholarship awarded by the Department of Statistics in the College of Arts and Sciences at Kansas State University.

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 *"awarded 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.