Allan Vieira de Castro Quadros

allanvc.github.io ⋄ allanvcq@gmail.com

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 Learning, Stochastic Processes, Computational Finance, **R** Programming, Time Series, Astrostatistics

EMPLOYMENT

National Fund for Education 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*)   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-time award 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.
Allan Quadros, Felipe Silva. XIX Congresso Brasileiro de Economia. 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 cafes: o caso dos produtores de cafés especiais da Alta Mogiana.
   Allan Quadros. 49th Congresso da Sociedade Brasileira de Economia e Sociologia Rural SOBER. Belo Horizonte-MG, Brazil. July, 2011.

WORKING e-BOOKS

Um Curso Prático de Estatística Básica em **R**.
Pedro Brom, Allan Quadros. *Expected for the 2nd semester of 2019.*

PRESENTATIONS

Identificação de Trajetórias Típicas dos Estudantes do ICS/ UnB.
Allan Quadros. 22th Congresso de Iniciação Científica da UnB. September, 2017 (poster).

RESEARCH GROUPS AND PROJECTS

mlpackR 2018-now Description: Development of an R package aiming to provide all the functions present in mlpack - the C++ Machine Learning Library. R users will seize the speed and scalability of the mentioned library without having to touch the C++ code. 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?
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 Presbyterean University

4. Introduction to Economics   Fall, 2012
   Lecturer, UniFAJ

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   2008-2012
1. Innovation Agency of Unicamp - INOVA   2008

AWARDS AND RECOGNITION

5. Outstanding Student Award   Sep., 2018
   Honor conceded by the Department of Statistics at UnB to the student with the highest GPA by the time of the graduation.

4. Standout Project in Contract Management   Sep., 2018
   Awarded to the FisFa software at the 4th ANGC Awards - Best Iniatives of the Year on Contract Management

3. 1st Place - Strengthening Internal Controls in Public Administration   Dec., 2016
   Awarded to the FisFa software at CGU's 4th Good Practices Contest, Ministry of Transparency and Comptroller-General of the Union.

2. 1st Place (of 14) at Estágio de Instrução e Preparação de Oficiais da Reserva - EIPOT   Jul., 2014
   Brazilian Army. Officer Candidate with the highest grade in the State of Sao Paulo by the end of the military professional internship.

1. 2nd Place (of 25) at Núcleo de Preparação de Oficiais da Reserva - NPOR (similar to ROTC) Dec., 2013
   Brazilian Army, NPOR Campinas-SP. Officer Student with the second highest grade by the time of the graduation.