

# MATEUS MAIA MARQUES

## Data Scientist

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## SUMMARY

Statistician and Data Scientist with solid experience in development of statistical learning models to solve data-driven solutions from several projects. Moreover, have a strong background in math and programming knowledge.

## EXPERIENCE

### Assistant Researcher

#### Laboratory of Statistics and Data Science - UFBA

📅 March 2018 – Feb 2020

📍 Bahia, Brazil

- Supporting university Data Science projects
- Ministered courses and lectures about Data Science and Statistics

## PROJECTS

### Election Analytics

📅 August - October 2019



Created a Shiny Application - in R - to build a framework for an election campaign team of a politician in order to analyze completely and interactively his performance in different neighbourhoods and voters and promoter better campaign's strategies.

### Automatic Fraud Detection in electronics invoices

📅 May - September 2019



Developed a programming to detect receipts fraud, from the last three years, in electronics invoices from the fifth biggest city from Brazil. I used Natural Languages Techniques and Machine Learning Algorithms to create the solution.

### Recommendation System to academic congress

📅 April - Sep 2018



Built a recommendation system to be used in the biggest academic congress in Statistics at Brazil, using as database the summaries of each participant who submitted their works.

### People Analytics

📅 September 2017



Proposed, in team, a solution to a company who wanted to use their employees data to improve the general performance of the human resources department. In this project I was in charge to develop regression models for a coefficient of worker's performance.

## EDUCATION

### Ph.D. candidate in Statistics

#### Maynooth University

📅 April 2020 – At moment

Thesis title: Bayesian Machine Learning

### M.Sc. Statistics

#### Federal University of Bahia

📅 March 2018 – February 2020

Thesis title: Random Machines - the random kernel space for constructing a support vector ensemble

### B.Sc. in Geophysics

#### Federal University of Bahia

📅 March 2014 – February 2018

## SKILLS

Machine Learning

Bayesian Statistics

General Statistics

NLP

DataViz

R

Python

Julia

FORTRAN

Shiny

Git

MySQL

Stan

LaTeX

## LANGUAGES

English



Portuguese



# PUBLICATIONS

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## Journal Articles

- Ara, Anderson et al. (2020). "Random Machines Regression Approach: an ensemble support vector regression model with free kernel choice". In: *arXiv preprint arXiv:2003.12643*.
- – (2019). "Random Machines: A bagged-weighted support vector model with free kernel choice". In: *arXiv preprint arXiv:1911.09411*.
- Marques, Mateus Maia and Anderson Ara (2019). "SHINY AD-BOOSTING: AN INTERACTIVE DASHBOARD TO ADAPTIVE BOOSTING ALGORITHM". in: *Revista do Seminário Internacional de Estatística com R* 4.1, p. 8.

# REFEREES

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