ALEXANDRE HENRIQUE S. DIAS

I'm a Data Scientist passionate about statistics applied to Machine Learning algorithms and how to turn those algorithms into tools to make people live better and happier. Also, I love writing about data science stuff. Currently, I do my job as a Data Scientist focusing on solving problems in the domain of Human Resources.

POSITIONS

Present | 2021

Data Scientist
B2W Digital — São Paulo, SP

- Statistical modelling and analysis of HR People Analytics-related problems.

2021 | 2019

Data Scientist
Looqbox — São Paulo, SP

- Development of BI reports and dashboards using R, Python, and SQL.
- Maintainer of the Looqbox R Package used to build R objects and data structures compatible with the Looqbox Application.

EDUCATION

Present | 2021

M. Sc., Electrical and Computer Engineering
UFRN - Federal University of Rio Grande do Norte — Natal, RN

- Majoring in Data Processing and Analytics

Present | 2020

MITx Micromaster Program in Statistics and Data Science
MITx — EdX

- The MITx MicroMaster in SDSS covers the fundamentals of data science, statistics, and machine learning.

2019 | 2018

B. Sc., Computer Engineering
UFRN - Federal University of Rio Grande do Norte — Natal, RN

- Member of the Modeling and Scientific Data Analysis team.

2017 | 2015

B. Sc., Sciences & Technology
UFRN - Federal University of Rio Grande do Norte — Natal, RN

- Linear Algebra and Analytical Geometry assistant teacher.
- Calculus II assistant teacher.

SELECTED WRITING

2020

A mathematical derivation of the Law of Total Variance
The Startup

- Understanding what is and when to apply the Law of Total Variance.

2019

Clustering with K-means: simple yet powerful
Medium

- Explain what is Cluster Analysis, and how the K-means algorithm work providing its pros and cons.

2019

An introduction to Linear Regression
Medium

- Explain all assumptions behind Linear Regression, how to measure its performance, and how to implement it in Python.

CONTACT

alexandre.hsd@gmail.com
linkedin.me
github.com/alexandrehsd
medium.com/@alexandre.hsd
alehsdias

CODING SKILLS

- Tensorflow 2.0
- Python 3 (pandas, numpy, matplotlib, seaborn, statsmodels, Scikit-Learn)
- git (and GitHub)
- R (tidyverse, base R, package development)
- Relational Databases

MORE INFO

See full CV at *alexandrehsd.github.io/cv/* for more complete list of positions and publications.

Made w/ R pagedown package.
Source code: github.com/alexandrehsd/cv.
Last updated on 2021-05-27.