

ALEXANDRE HENRIQUE S. DIAS

I'm a Computer Engineer and Data Scientist. I enjoy spending my free time studying statistics, programming and reading Data Science-related articles. At work, I play my role mostly in building visualizations to clients and contributing to the company's R package.



SELECTED POSITIONS

Present
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2019

Data Scientist

Looqbox

📍 São Paulo, SP

- Work primarily done in R, Python, and SQL to develop graphics visualizations.
- I'm a contributor of the Looqbox R Package used to build R objects and data structures for the Looqbox Application.



EDUCATION

Present
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2020

Advanced Machine Learning Specialization

Coursera - National Research University Higher School of Economics

- This specialization gives an introduction to deep learning, reinforcement learning, natural language understanding, computer vision and Bayesian methods.

Present
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2020

MITx Micromaster Program in Statistics and Data Science

EdX - MITx

- The program covers the fundamentals of data science, statistics, and machine learning.

2019
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2018

B.S., Computer Engineering

UFRN - Federal University of Rio Grande Do Norte

📍 Natal, RN

- Member of the Modeling and Scientific Data Analysis team.

2017
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2015

B.S., 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, Medium

- O que é e como usar a lei da variância total.

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 models, how to measure their performance, and how to implement a model in Python.

CONTACT

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in [linkedin.me](https://www.linkedin.com/in/alexandrehsd/)

🐙 github.com/alexandrehsd

M medium.com/@alexandre.hsd

🐦 [alehsdias](https://twitter.com/alehsdias)

CODING SKILLS

📊 R (tidyverse, base R, package development)

🐍 Python (pandas, numpy, matplotlib, seaborn, statsmodels, scikit-Learn)

🗄️ SQL (MySQL, Oracle)

🐱 git (and GitHub)

🔗 C (Parallel Programming with OpenMP, pthreads and MPI)

🔴 C++