

# 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  
|  
2019

### BI Developer

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  
|  
2020

### MITx Micromaster Program in Statistics and Data Science

MITx on edX

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

2019  
|  
2018

### B.S., Computer Engineering

Federal University of Rio Grande Do Norte - UFRN

📍 Natal, RN

- Member of the Modeling and Scientific Data Analysis team.

2017  
|  
2015

### B.S., Sciences & Technology

Federal University of Rio Grande Do Norte

📍 Natal, RN

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



## SELECTED WRITING

Mar. 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.

Mar. 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.

Jun. 2019

### *Performance Evaluation of an Edge OBD-II Device for Industry 4.0*

Institute of Electrical and Electronics Engineers - IEEE

- Authored with Ivanovitch Silva, Paolo Ferrari, Diego Silva, Marianne Silva, and Gabriel Signoretti.

## CONTACT

✉ [alexandre.hsd@gmail.com](mailto:alexandre.hsd@gmail.com)

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

🐙 [github.com/alexandrehsd](https://github.com/alexandrehsd)

M [medium.com/@alexandre.hsd](https://medium.com/@alexandre.hsd)

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

## LANGUAGE 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++