



# Deivison Ribeiro Moraes

Data Scientist



## Resume

- **Objective: Work as a data scientist.**
- Experiences as a data scientist, senior technical coordinator and engineer.
- **Main achievements:**
  - Execution of end-to-end data science projects.
  - Technical coordination of service contracts for land management sectors of large multinational companies.
  - Preparation of expert technical reports and asset and economic valuation.



## Experience

2021-01  
- Currently

- **Cientista de dados**  
*Freelancer , Belo Horizonte - MG, Brazil*

I emphasize that since July 2020 I have been working on my development process as a data scientist. The main skills acquired can be verified throughout my projects as described below. I add that the projects and other repositories of studies can be checked in more detail in my portfolio.
- **Sales forecast project - Drogarias Rossmann**

Construction of a Machine Learning Algorithm to forecast sales 6 weeks in advance in a drugstore chain in Europe. It is noteworthy that in this challenge, a training dataset was made available with more than 1 million lines and 18 features with information on the daily sales of 1115 stores of the Rossmann drugstore chain in the period from 01/01/2013 to 07/31/2015 . The process used to solve the business problem follows the CRIPS-DM methodology. The machine learning model proved to be able to predict the sales of the next six weeks of the existing stores in the test.csv dataset of the Kaggle competition with a MAPE of 15%. In addition, a bot was made available in the Telegram application that allows access to the model in production and thus obtain the sales forecast of the desired store in the palm of the hand.
- **Real Estate Appraisal Project in King County, Washington, USA**

The project seeks to create a business solution that will help the King County government make better decisions regarding the expropriation process of properties that may be directly impacted by new government infrastructure projects. This project was developed using the kc\_house\_data.csv dataset existing on the Kaggle Inc platform. It is noteworthy that this dataset has 21613 properties located in King County in the state of Washington, USA that were sold in the period from May 2014 to May 2015. The machine learning model was able to predict the value of the property within a range with an MAPE of 13%.



## Personal information

### E-mail

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### Address

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### GitHub

<https://github.com/deivison1983>

### LinkedIn

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

### Website

[https://deivison1983.github.io/portfolio\\_projetos/](https://deivison1983.github.io/portfolio_projetos/)



## Skills

Communication

Storytelling

Team work

Flexibility

Integrity

Discipline

Problem solving

Strategy

Analytical ability

Mental strength

Linear Regression

Statistics

Python

SQL

Econometrics

Web Scraping

Scikit Learn

XGBoost

Random Forest

A/B test

Flask



## Languages

English - Advanced

Portuguese - Native

2018-06  
- 2020-12

## ● Senior Technical Coordinator

*Cava Engenharia de Infraestrutura, Brazil*

- Experience in technical coordination of service contracts for land management sectors of large mining companies. In performing this role, I had to relate to several internal and external stakeholders simultaneously, which is quite challenging professionally.
- Among the various responsibilities with internal stakeholders, I mention organizing and planning the work flow of the teams in the field and office in view of the established deadline, quality and cost, training and qualifying new employees, managing people, responding to the board in view of the goals and results.
- With regard to external stakeholders, I emphasize that I was responsible for assisting analysts, coordinating and managing, developing new technical products adjusted to meet specific issues, agreeing deadlines for delivery and performance of services, presenting results, coordinating fieldwork in communities impacted by the mining activity.

2018-02  
- 2018-06

## ● Technical coordinator

*Lead Gestão Fundiária, Brazil*

- Experience in technical coordination of land management service provision contract for a company in the multimodal logistics segment. In performing this role, I was responsible for analyzing the economic impacts of expropriation of commercial properties located on the banks of the railway line - DNIT. In addition, I coordinated the field inspection teams for the patrimonial and economic assessments, as well as the entire registration of surface owners.

2017-02  
- 2018-01

## ● Appraiser Engineer

*Synergia Consultoria Socioambiental, Brazil*

- I participated in the team of evaluating engineers that was assisting the Renova Foundation in the calculation of the patrimonial and economic indemnities of those impacted by the rupture of the Samarco's dam in Mariana-MG, Brazil in 2015. Due to the nature of the multiple impacts resulting from the event over 40 cities, I was able to work with evaluations of the most varied types, which I can highlight with a unique experience.
- Main assessments: livestock, reproductive and non-reproductive improvements, real estate, property damage, machinery and equipment (electrical, mechanical, fishing), economic impacts on commercial establishments.

2012-01  
- 2015-05

## ● Engineer - Appraiser and Expertise

*Vaz de Mello Consultoria, Brazil*

- Preparation of technical reports oriented towards risk engineering in accordance with the technical standards and legislation in force.
- Preparation of technical expert reports and asset assessment with the following characteristics: buildings with multiple floors and

industrial complexes, assets in bankruptcy, inspection aimed at guiding the planning of building maintenance, characterization of the work stage (public and private works), among others.

2010-04  
- 2011-12



### **Intern**

*Vaz de Mello Consultoria, Brazil*

- Preparation of technical expert reports and inspection.



## **Academic education**

2019-03  
- 2020-06



### **MBA in Industry 4.0**

*PUC-Minas, Pontifícia Universidade Católica de Minas Gerais, Belo Horizonte -MG, Brazil*

2012-03  
- 2013-03



### **Specialization in Engineering Assessments and Expertise**

*PUC-Minas, Pontifícia Universidade Católica de Minas Gerais, Belo Horizonte - MG, Brazil*

2005-01  
- 2011-12



### **Bachelor's Degree in Civil Production Engineering**

*CEFET-MG, Centro Federal de Educação Tecnológica de MG, Belo Horizonte - MG, Brazil*

2000-01  
- 2002-12



### **High School Electronics Technician**

*CEFET-MG, Centro Federal de Educação Tecnológica de MG, Belo Horizonte - MG, Brazil*



## **Publications**

2021-06



### **Industry 4.0, RFID System: efficient alternative for automated vehicle tracking in rental agency yards**

*Publisher: Pontifícia Universidade Católica de Minas Gerais - ( PUC-Minas )*

2020-12



### **Study on the pathological manifestations of facades of buildings in the city of Belo Horizonte/MG, Brazil.**

*Publisher: Instituto Brasileiro de Avaliações e Perícias de Engenharia de Minas Gerais - IBAPE-MG*

2020-10



### **The importance of economic evaluations in the viability study for projects involving expropriations in urban areas.**

*Publisher: Anais XX COBREAP*

2019-03



### **The precautionary inspection within the regulatory context**

*Publisher: Pontifícia Universidade Católica de Minas Gerais - ( PUC-Minas )*

2011-12



### **Analysis of precautionary inspection reports as a subsidy for decision making**

*Publisher: Centro Federal de Educação Tecnológica de Minas Gerais - CEFET-MG*