

IGOR CAETANO DINIZ

Data Scientist, Mathematician and Manager, with 3+ years experience in python, and really strong background in mathematics and management. I've been working with Data Exploratory Analysis, machine learning models and strategy in decision making, since 2015. Furthermore, I'm finishing my Master Degree in Computational Mathematical Modelling, specialized in Machine Learning.



CONTACT

✉ caetano_@live.com
☎ +55 38 98863 6216
📍 Minas Gerais - Brazil
📧 @igorconsulting
in Igor Caetano Diniz

SKILLS

Programming

Python ●●●●●●●●
SQL ●●●●●●●●
DAX ●●●●●●●●
M Language ●●●●●●●●

Methodologies

Scrum and Agile ●●●●●●●●
Kaizen ●●●●●●●●
Lean 6 Sigma ●●●●●●●●

Software & Tools

Python Data Visualization ●●●●●●●●
(Matplotlib, Seaborn)
Data handling/analysis ●●●●●●●●
(numpy, scipy, pandas)
PySpark ●●●●●●●●
(Real-Time, Large-Scale Data Processing)
Jupyter ●●●●●●●●
Power BI ●●●●●●●●
(BI and Visualization, KPIs Management)
Trello ●●●●●●●●
(Routine Management)
Office ●●●●●●●●
(Good presentations)

Machine Learning & AI

Supervised Learning ●●●●●●●●
(Regression, Classification)
Unsupervised Learning ●●●●●●●●
(e. g. Clustering) Clouds

IBM Cloud ●●●●●●●●
AWS ●●●●●●●●

Languages

English ●●●●●●●●
Spanish ●●●●●●●●

CERTIFICATES

- IBM - Data Scientist
- DataCamp - Data Science in Python and Data Analysis in Python & SQL Certificates

WORK HISTORY

- 📅 01/2022 - present
📍 Smart House Construções - MG
Manager and Data Analyst
- Manage the Debt Recovery Sector, implementing lean 6 sigma, Business Intelligence and Data Science to achieve goals established after analysis and continuous improvement. Leadership and management of a multitasking and high performance team, with decision making in different areas, from people management to sector strategy
- 📅 02/2015 - 12/2017
📍 Hangar - RJ
Manager and Consultant
- Manage team of collaborators, train them in technology expertise like programming, Data Analysis, Robotics using Arduino and how to transform ideas into a scalable product and generate value with results
- 📅 02/2015 - 12/2017
📍 IME - RJ
Data Analyst in Computer Eng
- I worked on creating of anti-cheat typing pattern recognizer using SQL to standardized, clean e manipulation of data and Python to verify the identity using machine learning methods, like deep learning with some algorithms to train and recognize.

EDUCATION

- 📅 01/2021 - 03/2023
📍 PUC-Rio, Rio de Janeiro. Brazil
Master Degree
Mathematical Modelling and Optimization - Machine Learning Methods in Oil and Gas Industry. Petrobras Project
- 📅 01/2018 - 12/2020
📍 PUC-Rio, Rio de Janeiro. Brazil
Bachelor in Mathematics
- 📅 01/2015 - 12/2017
📍 IME, Rio de Janeiro. Brazil
Bachelor in Telecom. Engineering
Typing pattern recognition - anti-fraud distance learning project using Machine Learning

ACHIEVEMENTS, HONOURS AND AWARDS

- 🏆 Master Degree in Mathematics - Mathematical Modelling and Optimization - Especial Student for Excellence
- 🏆 Bachelor in Mathematics - 1st Place Score - 9.0 and Scholarship for Academic Excellence

GENERAL SKILLS

Data Science Data Analysis Machine Learning Supervised Learning
Unsupervised Learning Data Visualization Python Management
Scrum Agile Continuous Improvement Lean6Sigma

MOST RECENT PROJECTS

DATA PROJECTS

Financial and Customer Services - Neon and Massula Consulting

Creation of a data pipeline, from data extraction to visualization in sectors from Customer Service to Finance. In particular, in the financial area, data analysis workflows, the balance sheet, in which a more effective delivery of results was observed and forecasting unexpected expenses related to interest and unplanned services. **Data Warehouse and ETL process standardization, Exploratory analysis and Data Visualization via Power BI, Excel and SQL Smart House Buildings**

Standardization of the entire Management process, from the creation of Data Warehouse, ETL processes, exploratory analysis and data visualization processes, to the standardization of decision-making, related to the debt recovery sector as a strategic sector. This process brought a reduction of more than 50% of indebted customers, going from around 1200 customers to less than 600, and a recovery of almost 1 million reais from profit.

Debt forecast project - Smart House Buildings

After recovery, the next project was to forecast total losses. Using logistic regression algorithm, and validating it, the objective of the project was to predict customers who would always be debtors. From this, my decision-making was facilitated as a manager of the sector to refer such cases to the legal sector, guaranteeing the integrity of the profit of such ventures.