Lucas Cavalcanti Rodrigues

Data Engineer

Bom Retiro · São Paulo - SP
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30 years

Links

Github
Linkedin
Stackoverflow

Technical Skills

OS
GNU/Linux, Windows

LANGUAGES
Python, Java, Javascript, Rust, R

FRAMEWORK
flask, node.js, pandas, matplotlib, statsmodel, scikitlearn, sympy

DATABASES
SQLite

CLOUD
GCP

OTHERS
Airflow, Markdown, Git, Vim, VS Code, Jira

Analytical Skills

Data Structures
Algorithm
OOP
Probability
Data Analysis
Econometrics
Machine Learning
Agile methodologies

Education

2017-2021
PHD ECONOMICS
Universidade de São Paulo

2013-2014
MR. SC. IN ECONOMICS
Universidade Federal
de Juiz de Fora

2009-2012
B.A. IN ECONOMICS
Universidade Federal
de Juiz de Fora

Summary

I'm a professional with over 7 years of experience working in different areas of the data lifecycle, such as analytics and infrastructure. A significant part of this experience is due to my work as an economist, both in academia and the private sector, where I worked with statistics, econometrics, and machine learning. Since 2021, though, I have focused on data engineering and infrastructure. I have over 4 years of experience using Python, in addition to having working knowledge of a number of technologies, such as Google Cloud, Airflow, Bash, Java, SQL, among others. I'm also a highly motivated professional, with strong organizational and multi-tasking skills, who always aim to add value to the business and the teams I work with.

Experience

AUG/21- **Data Engineer** **DP6**

I work on collecting and structuring data obtained from customer interaction channels such as mobile apps and websites

Python, Javascript, Google Analytics, Firebase, GTM, Data Studio

OCT/20-JUN/21 **Researcher** **Parceiros da Educação**

I was responsible for developing and implementing the ESG Racial Equity Index (IEER), a metric used by several companies in the Brazilian private sector to assess and monitor the status of racial inequality among their employees. In addition to develop the index, a by-product of my doctoral thesis, I was also responsible for the data infrastructure used to compute the index. The infrastructure was built using resources from the Google Cloud Platform (GCP).

Python, Pandas, GCP, Cloud Storage, Big Query, Flask

JUL/17-JUN/21 **Researcher** **Universidade de São Paulo**

During my PhD in economics I worked with historical census data, in addition to other official statistics, to analyze access to basic education, land and the labor market among Brazilians and immigrants. In the analysis, a series of techniques was used, such as fuzzy matching, machine learning and econometrics.

Python, R, Pandas, Numpy, Scikit-learn, Matplotlib, Statsmodel

JAN/16-JUN/17 **Data Analyst** **CAED**

I contributed to public policy reports directed to the subnationals Departments of Education by carrying out the statistical analysis of microdata. In these analyses, among other techniques, I used statistical methods such as Factor Analysis, Index Construction and Linear Hierarchical Models.

SPSS, Microsoft Office

Other Employment

2016-2017	**Professor of Economics** (1 year)	**UFJF**
2021-2021	**Data Consultant** (6 months)	**MPT**