André de Holanda Padilha Vieira

5 de Julho 396/604, Rio de Janeiro/RJ, Brasil, 22051-030.

+55 21 98066-5960   andrepvieira@hotmail.com   https://ahpvieira.github.io/

SUMMARY

Data scientist with specialization course in Data Science by Johns Hopkins University and a visiting researcher in Applied Social Science at Stanford University. Solid training in data processing and analysis techniques, machine learning and development of interactive data visualization products. Extensive experience in data mining, production of analytical reports and data-driven applications.

SKILLS

Statistical modeling (hierarchical models, experiments, time series and panel data, linear and nonlinear regression, etc.) • Statistical software and programming languages (SPSS, Stata, R, Python) • Web scraping and data mining • Production of static and dynamic analytics reports • Production of data-driven applications • Manipulation and data processing using SQL and NoSQL databases.

EXPERIENCE

Institute for Applied Economic Research (IPEA), Brazil   2015 Jun - Current
Data scientist

Responsible for data processing, statistical analysis and application of machine learning techniques to large databases; Construction of data-driven dynamic applications; Writing of analytical reports, methodological notes and data documentation; Web scraping and processing of unstructured data; Management and maintenance of structured databases; Public relations with providers of public and private databases.

- Data cleaning, statistical analysis and management of more than 20 public and private databases.

- Participation as a data scientist in large projects focused on data analysis and visualization: Ipeadata, Atlas of Violence, Atlas of the Brazilian State, Map of CSOs

- Production of technical notes, analytical reports, methodological notes and preparation of codebooks and documentation of databases.

EDUCATION

Specialization in Data Science (Johns Hopkins). Bachelor (UnB) and Master (UFMG) in Sociology. PhD candidate in Sociology (UFRJ). Visiting researcher in Applied Social Science (Stanford University).

COMPLEMENTARY INFORMATION

Consultant of development of data-driven applications and data analysis. Instructor of statistical analysis techniques and machine learning. Publications in national and international academic journals, chapters in published books, and presentations in national and international academic conferences and seminars.

LANGUAGES

Portuguese (Native), English (Fluent), Spanish (Advanced), French (Basic)