IDRISS BADO

Abidjan, Bingerville • +225 0758409136 • idrissbadoolivier@gmail.com

Senior Data Analyst - MEL Specialist - Data Scientist-Geospatial Data Scientist-Machine Learning Engineer

Proactive and highly motivated Senior Data Scientist and Analyst with 5+ years of experience in data collection, analysis, and machine learning. Expertise in A/B testing, predictive modeling, project management, and data-driven decision-making. Skilled in working with large multinational teams in dynamic, fast-paced environments, with a strong focus on emerging markets. Experienced in using Power BI, Excel, SQL, Python, and machine learning models to drive business insights and improve performance. Fluent in English and French, with a can-do attitude and a client-oriented approach. Passionate about leveraging data to make informed decisions and deliver impactful solutions.

WORK EXPERIENCE

Indexiom   04/2021 - Present
Senior Data Direction and Market Analysis

- Conducted an in-depth market analysis of the disposable diapers market in Cˆote d'Ivoire, providing clients with data-backed strategies that boosted market entry success.
- Performed SWOT analyses that identified growth opportunities, driving informed decision-making for clients and increasing potential market share.

CERAP,UIST,CNAM, IUPA, UPB   01/2020 - Present
Lecturer

- Delivered courses on data science and machine learning, equipping over 100 Master's students with advanced skills in Python and R.
- Developed and led workshops on statistical simulation, Times series forecasting and bootstrap methods, improving students' practical understanding of data analysis, NLP, Database implementation.

Mazars CI   12/2022 - 03/2023
Senior Data Science Consultant

- Led a market study related to the VTC industry, developing surveys, dashboards, and applying machine learning to derive actionable insights.
- Built and optimized dashboards for real-time data visualization and decision-making.

INEXA Research Development   09/2020 - 01/2022
Consultant

- Developed APIs and automated business processes, streamlining task execution and improving operational efficiency.
- Wrote and implemented algorithms for finance software development, improving forecasting and performance.
- Contributed to the software architecture design, including writing Customer Due Diligence (CDD) documentation.

Kyria-Consulting   01/2021 - 02/2021
Senior Consultant

- Led the design and development of a comprehensive data warehouse infrastructure, consolidating data from multiple sources for client intelligence and reporting needs.
- Built robust ETL pipelines to automate data ingestion and transformation, integrating structured and unstructured data for accurate analysis.

- Spearheaded optimization of data storage systems, improving query performance and reducing data retrieval times by 30%.

Leadway
04/2020 - 09/2020
Consultant

- Automated business processes by developing Python tools for pricing models, improving pricing accuracy by 25% and reducing manual workload.
- Implemented machine learning algorithms for pricing, resulting in 15% improvement in revenue forecasting.

African Journal of Mathematics and Computer Science Research
01/2014 - 01/2019
Reviewer

Journal of Public Health and Epidemiology
01/2014 - 01/2019
Reviewer

Journal of American Academic Research
01/2014 - 01/2019
Reviewer

Bizao
Senior Data Evangelist

- Led the development and deployment of machine learning models to optimize financial services, deliv- ering impactful business insights.
- Drove product improvements using data analytics, leading to a 20% increase in user retention.
- Applied advanced A/B testing automation in Python to inform operational strategies and enhance product offerings.
- Managed multiple cross-functional teams, ensuring timely project delivery and alignment with business goals.
- Worked with stakeholders to define data strategies and successfully implemented automation processes for anomaly detection.
- Tools & Technologies : Python, SQL, Power BI, Elasticsearch, PySpark, Kubernetes, CI/CD.

TechnoServe
Senior Regional MEL Data Specialist

- Managed data collection and analysis for 10+ projects, improving reporting accuracy by 25% through data quality protocols.
- Implemented machine learning models in MEL systems, improving prediction speed for project out- comes by 15%.
- Delivered real-time KPIs to stakeholders through interactive dashboards, improving decision- making speed by 20%.
- Led cross-functional teams in West and East Africa, implementing geospatial data systems and driving resource optimization.
- Managed the Hortimap project in Uganda, utilizing geospatial data to support horticultural crop health assessments and yield forecasting.
- Delivered geospatial analysis in Ethiopia to monitor agricultural outcomes, aiding in more efficient resource allocation.
- Tools & Technologies : Python, R, Tableau, Power BI, CommCare, RShiny, GDAL, xarray, Geopan- das, QGIS, AWS, GCP.

RiskLogics
Senior Data Scientist Manager

- Led a team in developing machine learning models that reduced fraud detection time by 30%, improving risk management operations.
- Spearheaded experiments validating business hypotheses, resulting in a 15% increase in model performance accuracy.
- Applied time series and spatial data analysis to uncover actionable insights, leading to optimized resource allocation and a 10% cost reduction.

- Tools & Technologies : Python, R, SQL, PowerBI, GCP.

EDUCATION

MSc Program in Computer Science
Woolf University   01/2025 - 01/2026

Master in Number Theory
Franche-Comt e University   01/2023 - 01/2025

Completed coursework; thesis defense pending for this academic year.

MAITRISE in Mathematics
Aix-Marseille University   01/2021 - 01/2022

Statistical and Economics Engineer
ENSEA   01/2020

BACHELOR FONDAMENTAL MATHEMATICS
UNISAT   01/2014

PROJECTS

PRICINGAPP
Machine Learning and Data Science Projects

A comprehensive pricing model using advanced statistical techniques in Python.

reconnaissance des gestes
Machine Learning and Data Science Projects

Gesture recognition system leveraging computer vision, built in Python for real-time performance.

ALM
Machine Learning and Data Science Projects

Applied graph theory in risk modeling using R for financial analysis and modeling.

Machine Learning Class in Python
Machine Learning and Data Science Projects

A set of tutorials and implementations focusing on key machine learning algorithms.

A/B Testing Automation in Python
Machine Learning and Data Science Projects

Automated A/B testing scripts to streamline experiment analysis and optimize decision-making.

Best BI Solution for Bizao
Research Projects at Bizao

Developed a tailored Business Intelligence solution to optimize real-time decision-making, providing actionable insights to streamline Bizao's operations and enhance performance tracking across various departments.

Data Warehouse System for Bizao
Research Projects at Bizao

Designed and implemented a data warehouse system to consolidate transactional data, improve data accessibility, and enable historical analysis, ensuring scalability to support Bizao's growth.

CDC/DAT
Research Projects at Bizao

Conducted Change Data Capture (CDC) and Data Assurance Testing (DAT) to increase data accuracy and reliability, reducing discrepancies and enhancing the integrity of the data pipeline.

Impact Analysis of Internet Outages on Bizao's Operations

Research Projects at Bizao

Analyzed the impact of internet connectivity issues on transaction volumes and processing times, providing actionable insights to mitigate revenue loss during outages.

Future Traffic Forecasting

Research Projects at Bizao

Utilized time series analysis to forecast future traffic trends across multiple services, enabling Bizao to anticipate demand fluctuations and plan infrastructure scalability effectively.

Analysis of Transaction Processing Times for Money Transfers in Bizao's Financial Ecosystem

Research Projects at Bizao

Assessed transaction processing times, identifying bottlenecks and optimizing processes to improve user experience and reduce transaction times within Bizao's payment ecosystem.

Study on Bizao's Data Challenges

Research Projects at Bizao

Investigated Bizao's data challenges to address data inconsistencies and integration gaps, proposing solutions that improved data quality and supported robust analytics.

PUBLICATIONS

New Discovery on Goldbach Conjecture

International Journal of Progressive Sciences and Technologies
Bado, Idriss Olivier., 13 (2) , pp. 216-221.

Discovery on Beal's Conjecture

International Journal of Advance Research and Innovative Ideas In Education
Bado, Idriss Olivier., 5 (2) , pp. 1634-1640.

Analyse des D eterminants des Exportations Ivoiriennes

ResearchGate
Bado, Idriss.

SKILLS

All: A/B Testing, Apache airflow, APPSCRIPT, C++, CommCare, CSS, Data Visualization, Docker, Dt, Elasticsearch, Grafana, GRAPHQL, HTML, Java, JavaScript, Limesurvey, Linux, Looker, Machine Learning, MongoDB, NoSQL, PowerBI, Pyspark, Python, Qgis, R, Redis, Sheel, SQL, Statistical Analysis, Tableau, XML, YAML