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| Louis Agyekum  Data Analyst/Scientist | [agyekumlouis9@gmail.com](mailto:agyekumlouis9@gmail.com) • (705) 808-5562  Ontario, Canada  [LinkedIn](http://www.linkedin.com/in/louis-agyekum) • [Portfolio](https://louis-agyekum.github.io./) |

Analytical and determined professional with hands-on experience in leveraging strong analytical strengths and data analysis techniques to generate insights, streamline procedures, and elevate performance. Expert in gathering and analysing data, identifying trends and patterns, and translating insights into actionable recommendations. Skilled in various data analysis tools and techniques, including SQL, Python, and data visualisation tools. Well-versed problem-solver with expertise in conducting detailed research and analysis as well as developing machine learning models to identify and resolve complex business challenges. Excel at monitoring and ensuring best possible quality of various data sources to maximise integrity and accuracy.

Technical Proficiencies

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| Machine Learning (PCA, cluster analyses, decision trees, SVM, neural networks, ensemble methods), Data Mining, Big Data, Data Visualisation, Generalised Linear Models, Time Series Analysis, Economic Research, Risk Modeling, Econometric modeling, Statistics, A/B testing, Python, R, Power BI, Tableau, Excel, SPSS, STATA, MS SQL Server, and Oracle SQL Developer |

Career Experience

Trent University, Peterborough, Canada 2021 – Present

Data Scientist

Inform decision-making within Chancellor’s department, while creating machine learning models such as conversion rate prediction and student performance attrition. Provide recommendations and develop tools for effective management of the University’s machine learning stack. Increase university’s analytics IQ through various initiatives, including formal training sessions, workshops, insights meetings, and presentations to senior leadership, while setting up a data-driven culture. Instil valuable technical skills and knowledge within students by delivering curriculum for undergraduate and graduate level courses in Python programming and introductory probability.

* Ensured seamless integration and optimised performance by embedding machine learning models into production technology systems.
* Established efficient and scalable data pipelines and worked on diverse range of data, such as transactional, student behaviour, and campus activities.

MTN Telecommunications, Ghana 2018 – 2021

Credit, Fraud & Risk Analyst

Analysed outlier data and drove business insights by utilising advanced Microsoft Excel skills, including Pivot Tables and V-Lookups. Delivered multiple ad-hoc analysis projects using data analysis tools, including Oracle SQL and Microsoft SQL serve.

* Recognised $3M in annual fraud and communicated findings to stakeholders through creation of Tableau dashboard and execution of detailed exploratory analysis.
* Enhanced business operations through comprehensive data analysis and research as part of project deliverables.

Additional Experience

Data Analyst Intern, Ministry of Finance-Ghana

Education & Certifications

Master’s degree in Sustainability Studies – Trent University, Peterborough, Canada, Expected ending April 2023.

Bachelor’s degree in Economics & Statistics – University of Ghana, Accra Ghana, 2020

Data Science Infinity Professional

AWS Certified Cloud Practitioner, Udemy

WorldQuant University Applied Data Science Lab (Machine Learning)

Machine Learning for Aspiring Data Scientist, Udemy

Microsoft Excel, From Beginner to Advanced, Udemy

The Complete SQL Bootcamp, Udemy