

Alex Adenuga

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<https://alexadenuga.github.io/>

ANALYST

Dynamic and results-driven Analyst with expertise in MS Excel, Python, R, Power BI, and SQL. Proven success in building statistical models, evaluating data pipelines, and implementing predictive analytics. Skilled at transforming complex data into actionable insights, I am eager to contribute to an innovative organization, leveraging advanced statistical analysis and evaluation techniques to deliver impactful, data-driven solutions. I am ready for a challenging role that aligns with my passion for advancing organizational objectives through data and research.

EDUCATION

Applied Modelling & Quantitative Methods (Master's Degree)

January 2023 – December 2024

Trent University, Peterborough – Canada

Statistics (Master's Degree, Distinction)

September 2017 – April 2019

University of Ilorin, Ilorin

Statistics (Bachelor's Degree, First Class Honours)

September 2010 – July 2014

University of Ilorin, Ilorin

WORK EXPERIENCE

Research Analyst,

Trent University, Canada | January 2024 – Present

- Developed automated scripts (R/Python) to extract, clean, and validate large datasets from multiple sources, ensuring high data integrity for analysis. Streamlined workflows to improve efficiency and reduce manual errors.
- Applied statistical methods and predictive modeling to identify trends, generate insights, and support data-driven decision-making. Created custom functions and visualizations to simplify complex findings.
- Produced comprehensive reports, whitepapers, and presentations summarizing key findings for stakeholders, including executives, policymakers, and academic audiences.
- Partnered with internal teams and external organizations to align research objectives with business or policy goals.
- Built reusable analytical frameworks and tools to enhance research reproducibility and scalability across projects.

Data and Information Systems Specialist,

Junior Achievement Northern and Eastern Ontario, Canada | April 2023 – December 2024

- Generated, extracted, cleaned, and analyzed data to support strategic business decision-making, focusing on historical donor data in Salesforce. Leveraged insights from this data to guide future campaigns, achieving increased program participation and enhancing impact assessment.
- Conducted Salesforce training sessions for new and existing staff to bridge knowledge gaps in CRM usage, achieving and maintaining 100% organizational adoption.
- Performed routine system audits to ensure compliance with robust security protocols and efficiently managed user accounts across Microsoft Office 365 and Salesforce. Designed and implemented custom solutions tailored to user needs, resulting in a reduction in account management issues and an improvement in overall system performance.
- Conducted an in-depth analysis of Microsoft security audit data, providing actionable recommendations that enhanced system security effectiveness, increasing the security compliance score from 42% to 77% as shown on the Microsoft Performance Analysis Dashboard.
- Collaborated with other partners to successfully migrate data from a regional Salesforce Org to the National Org by extracting all the available data from inception and ensuring precise data extraction, cleaning, and alignment of objects for seamless integration.

Automation Engineer,

Trent University, Canada | May 2023– November 2023

- Designed and implemented a robust, secure database using RSQLite to manage and store comprehensive staff information for Trent University, ensuring reliable data access and compliance with governance standards. The database served as the backend for an R Shiny app that automated award selection report generation, reducing manual effort and improving reporting efficiency. The report preparation time was reduced from 5 hours to just 10 minutes.
- Developed custom R functions and packages to automate internal data processing, enhancing the application's efficiency and scalability. It reduced manual intervention and enabled seamless handling of larger datasets and complex workflows.
- Upgraded the Shiny app by implementing user-centric features tailored to evolving requirements, resulting in improvements in functionality which led to a considerable reduction in user complaints, as evidenced from the feedback and usage metrics.
- Delivered ongoing support to app users by promptly addressing inquiries, resolving technical issues, and incorporating feedback-driven improvements.

Data Reporting Analyst,

Access Bank Plc | December 2021 – November 2022

- Analyzed fraud data across multiple branches, conducting in-depth investigations into KYC reports to identify trends and implement fraud mitigation strategies.
- Designed, developed, and maintained Power BI dashboard reports to monitor compliance and performance metrics across 552 branches. Regularly analyzed dashboard data to identify trends and provided actionable management insights, leading to improvements in branch service delivery and an increase in compliance adherence by Branch Staff.
- Developed and optimized SQL queries to extract, transform, and load data from an Oracle database, organizing it into structured formats for advanced analysis in Power BI, Excel, and Python
- Collected and compiled data from all 552 branches based on management's requests, utilizing advanced Google Forms, and cleaning the data with advanced Microsoft Excel operations, such as pivot tables, lookups, and conditional formatting. Streamlined the data analysis process, providing clear, actionable insights and analytical reports that increased data-driven decision-making efficiency in the retail operations analytics team.
- Prepared and delivered regular reports and presentations to senior management, translating complex data insights into actionable recommendations.
- Performed transactions reconciliations for over 2500 Automated Teller Machines (ATM) using advanced VBA function and automated actions within Microsoft Excel to report to management on the status of total and regional variances Bank-wide

CORE SKILLS

- **Technical Skills:** Machine Learning (PCA, cluster analyses, decision trees, SVM, neural networks, ensemble methods), Data Mining, Big Data, Data Visualization, Generalized Linear Models, Time Series Analysis, Economic Research, Risk Modeling, Econometric modeling, Web-scraping , Cloud-based ETL
- **Programming Skill:** SAS, Python, R, Spark, SPSS
- **Data Visualization and Reporting tools:** Power BI, Tableau, Excel, Looker
- **Database:** MS SQL Server, Oracle SQL Developer, Redshift
- **CRM:** Salesforce
- **Soft Skills:** Critical thinking, Problem-Solving, Active Learning, Effective Communication, Consulting, Ability to communicate technical and complex concepts to a non-technical audience

CERTIFICATIONS

- Accenture North America-Data Analytics and Visualization Job Simulation, February, 2024
- The Ultimate MySQL Bootcamp (Udemy), September 2022.
- Microsoft PowerBI Desktop for Business Intelligence (Udemy), July. 2022.
- Introduction to Programming Nanodegree (Udacity), January. 2022.
- Enterprise Design Thinking (IBM), July. 2020.