

Omar Mendy

Data Analyst

An insightful Data Analyst with a proven track record in delivering value and innovative problem-solving. My expertise is underpinned by proficiency in IT systems, an understanding of statistical analysis methods, mastery of programming languages, and robust data management skills gained through industry experience and academic studies in Biology. Skilled at uncovering patterns and trends through comprehensive data analysis and adept at effectively collaborating with cross-functional teams to negotiate and deliver customised, data-driven solutions that enhance decision-making. As I complete my BSc Biology studies in the summer of 2023, I am seeking a full-time analytics position where I can leverage my domain knowledge and customer-centric approach to yield actionable insights from data and drive business decisions.

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TECHNICAL SKILLS

Statistical programming languages

Python, R & SQL

Analytical tools

MS Excel, SPSS and Web Scraping

Statistical analysis

Machine Learning methods, Generalised Linear Model (GLM), Hypothesis Testing and Inferential Statistics, Descriptive and Exploratory Data Analysis (EDA), Panel Regression

IT systems knowledge

Networks, Security, Operating Systems, IT Architecture Principles, Cloud Computing Technologies and Applications

DATA ANALYST EXPERIENCE

Data Analysis Industry Training programme

Brainnest

10/2022 - 11/2022

Remote

Achievements/Tasks

- Completed an extensive training programme focused on utilising inferential statistical methods in a management consulting context
- Applied techniques such as power and effect size analysis, reliability and validity analysis, and multiple linear regression to generate reliable estimates and projections for financial case studies with 'R' and SPSS
- Effectively communicated findings through engaging weekly presentations, showcasing robust analytical skills and the ability to transform complex data into actionable insights for stakeholders

Data Researcher (Internship)

Jobs4Football

12/2021 - 06/2022

Remote

Achievements/Tasks

- Overhauled data extraction methods and analysed player/team performance for a sports startup, enhancing insights into the talent pool and informing strategic recruitment and marketing decision-making
- Collaborated with senior analysts to perform exploratory data analysis, automate visualisations using Tableau and company API, while extracting data via web scraping

Excel Data Analyst (Internship)

Hi-Techplus

01/2022 - 04/2022

Remote

Achievements/Tasks

- Performed descriptive analytics to identify IT helpdesk trends, leading to improved SLA compliance for a previously underperforming organisation
- Conducted data cleansing and wrangling for extensive datasets, enhancing data quality and accuracy, while applying advanced MS Excel techniques, including pivot tables, conditional formatting, and search bars for improved data presentation and accessibility
- Created impactful visualisations in MS Excel and reports using PowerPoint to communicate key findings to stakeholders

Data Scientist bootcamp

TechTalent Academy

10/2021 - 02/2022

Remote

Achievements/Tasks

- Accomplished coursework covering SQL database administration, Python fundamentals, Tableau data visualisation, and machine learning methodologies such as clustering and regression analysis, in addition to exploring deep learning via fully connected neural networks for resolving intricate challenges. Acquired expertise in utilising key Python libraries including Pandas, NumPy, Scikit-learn, Seaborn, and TensorFlow, while reinforcing proficiency in 'R' programming

OTHER WORK EXPERIENCE

Bank Healthcare Support Worker (Psychiatry & Learning Disability)

Coventry & Warwickshire Partnership NHS Trust

05/2021 - Present

Birmingham, England

Tasks/Achievements

- ◊ Provides person-centred care to clients with severe psychiatric and learning disabilities with daily activities, keenly attuning to their individual needs and adapting care strategies accordingly
- ◊ Employs de-escalation and crisis intervention strategies to maintain a secure recovery environment, negotiating effectively to address the diverse needs and challenges of individuals experiencing challenging behaviours and disturbances

Grant Procurement Volunteer

Alternatives to Violence Project Britain

06/2021 - Present

Remote

Tasks/Achievements

- ◊ Collaborates closely with the fundraising team to meticulously identify and assess potential grantees, taking into account their unique needs and circumstances
- ◊ Crafts compelling grant proposals tailored to the specific requirements of each potential grantee, demonstrating a capacity for skilled negotiation and strategic communication
- ◊ Streamlines the fundraising database, enhancing the prospecting process to secure funding for tailored conflict resolution workshops serving current and former inmates

PORTFOLIO PROJECTS

Consumer Behaviour Analysis at iHerb with Python [↗](#)

- ◊ Conducted a comprehensive analysis of consumer behaviour patterns, deriving actionable insights and recommendations to optimise marketing strategies and enhance customer engagement
- ◊ Utilised web scraping techniques to extract relevant data from the iHerb website for analysis, before applying a range of statistical methods, including univariate and bivariate analysis, hypothesis testing, and a wide range of clustering and prediction-based machine learning algorithms
- ◊ [Link to presentation and code on GitHub](#)

Panel Data Analysis of Airfare Pricing Strategies with 'R' [↗](#)

- ◊ Derived valuable insights and recommendations to optimise pricing strategies that enhance revenue generation
- ◊ Employed panel regression and time-series analysis to understand the factors influencing airfare pricing, in addition to sensitivity analysis to evaluate the impact of different variables on pricing strategies
- ◊ [Link to report & code on GitHub](#)

EDUCATION

BSc Biology (Part-time)

Open University

10/2021 - 06/2023

Remote

Dissertation

- ◊ Title: "Unravelling the Immune Cell Metabolism Effects on Cardiac PPAR Regulation: An Integrative Bioinformatics and Machine Learning Approach"
- ◊ About: Leveraging Python and R programming to effectively integrate and harmonise large-scale transcriptomics and metabolomics datasets, while implementing statistical methods to reveal crucial understanding of the relationship between immune cell metabolism and cardiac metabolism.

HND Biology

Swansea University

09/2016 - 06/2018

Swansea, Wales

Achievements

- ◊ Conducted in-depth biological research investigations by leveraging experimental design, primary data collection, and advanced statistical analysis techniques, such as linear regression, logistic regression, ANOVA, and t-tests. Successfully extracted valuable insights using 'R' from intricate data sets to support hypothesis testing in the field of biology.

COURSES

City & Guilds: L3 Certificate & L2 Diploma in ICT Systems and Principles (01/2021 - 07/2021)

Various

Google Data Analytics Professional Certificate (12/2021)

Coursera