Muhammad Ali

Data analyst with a deep passion for transforming complex datasets into actionable insights. Strongly confident in Python, Excel, and SQL, focusing on data analysis, programming, and visualization. Brings a dynamic approach to problem-solving and eagerness to contribute to collaborative projects. Committed to continuous learning, excited about applying skills and enthusiasm for data analysis in a dynamic team environment.

Work Experience

Swansea University – *Research Analyst (October 2020 – November 2023)*

- Managed a team of analysts and researchers, propelling enhancement of analytical tools and diversification of statistical data sources, decreasing manufacturing costs by 67%.
- Administered executive decisions and managed a team of analysts and researchers, achieving project deliverables that captivated stakeholders.
- Manipulating and analysing large datasets using SQL and Excel, resulting in a 29% improvement in performance metrics.
- Drove dynamic collaboration across 10 stakeholders and multidisciplinary teams, architecting an agile workflow that seamlessly spanned UK and international boundaries.
- Oversaw weekly reviews, orchestrating the analysis of complex data and fostering collaboration with multidisciplinary teams to generate key project insights.
- Guided and supervised over 15 analysts with tailored feedback and development plans, swiftly improving performance and reducing the need for ongoing oversight.
- Showcasing impactful research outcomes through formatting data insights and compiling statistical data, attaining over 10 scientific publications at various outlets.
- Meticulously analysed datasets, identifying key statistics, and uncovering pivotal insights and findings, resulting in a 2.5% increase in profitability.
- Automated 7 manual processes using Python scripts, reducing analysis time by 95%

MicroAnalysis Ltd – *Data Analyst (December 2022 – October 2023)*

- Orchestrated high-impact consultancy projects with 5 industry stakeholders, consistently surpassing expectations, whilst maintaining flexibility as requirements changed daily.
- Developed impactful stakeholder engagement through strategic meetings, ensuring alignment with project goals, fostering collaboration, and enhancing overall satisfaction.
- Employed data validation methodologies, leading to precise, data-driven decisions that significantly enhanced operational processes.
- Addressed stakeholder objectives by crafting comprehensive reports and presentations, conveying key statistics and insights.

Projects

Exploratory Data Analysis of US Adidas Sales

- Created an interactive Excel dashboard using nested functions, VLOOKUP/XLOOKUP and Power Pivot
- Ensured data accuracy through thorough cleaning and validation of Adidas sales data from diverse retailers.
- Analysed retailer profits, highlighted disparities, and provided strategic insights for optimizing partnerships and performance.

Data-Driven Optimization for Point-of-Care Hepatitis Diagnostics

- Enhanced dataset quality for hepatitis diagnostics through meticulous cleaning and preparation, ensuring accurate and reliable analysis.
- Applied statistical methods and pattern recognition techniques to identify trends and correlations within diagnostic data to develop data insights.
- Generated comprehensive reports and data visualizations to effectively communicate findings to both technical and non-technical stakeholders, facilitating informed decision-making.

Contact:

- munemali939@gmail.com
- (+44) 07471 935596
- https://www.linkedin.com/in/mali939/
- https://munem939.github.io/portfolio/

Education:

Swansea University (Oct 2017 – Nov 2023)
Electrochemistry PhD

Swansea University (Oct 2014 – Jul 2017)
Medical Engineering BEng

Certifications:

Google Data Analytics Professional Certificate (2023)

Hard Skills:

Data Processing
Data Analysis
Data Visualisation (Tableau, Power BI)
Report Writing
SQL
Excel
Python

Soft Skills:

Analytical Thinking
Communication
Problem-Solving
Attention to Detail
Team Collaboration
Adaptability
Stakeholder Management
Conflict Resolution

Tools:

SQL
Microsoft Excel
Python
MATLAB
Tableau and Power BI
Microsoft Word
Microsoft PowerPoint
Microsoft Outlook

Hobbies:

In my free time, I enjoy maintaining my physical well-being with regular gym workouts and enjoy playing collaborative video games, where I coordinate with 7 teammates for dynamic tasks. Additionally, my enthusiasm for the tech industry drives me to stay current on the latest news and releases.