

Kefa Mwita

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P.O BOX 4 – 40414 Isibania

Computer Science | Data Analyst & IT Support Specialist

A skilled data analyst and IT support specialist with a strong foundation in computer science. An alumnus of African Leadership Group (ALX Africa). Proficient in utilizing data analysis tools like SQL, Python, BigQuery, and Excel to extract valuable insights from complex datasets. Experienced in developing data-driven solutions to optimize business processes and improve decision-making. Additionally, skilled in providing technical support, troubleshooting software issues, and leveraging cloud computing platforms like Google Cloud. Committed to delivering high-quality technical support and data-driven insights to drive business growth and innovation.

STRENGTHS AND EXPERTISE

- ◆ SQL (MySQL, DB2, PostgreSQL)
- ◆ Python Programming (NumPy, Pandas)
- ◆ Data Visualization (Matplotlib, Seaborn)
- ◆ Exploratory Data Analysis
- ◆ Excel and Google spreadsheets
- ◆ Statistical Analysis
- ◆ Networking Fundamentals (TCP/IP, DNS, DHCP)
- ◆ Operating Systems (Windows, Linux)
- ◆ Technical Support (Software Troubleshooting, Technical Support)

PROFESSIONAL EXPERIENCE

Postal Corporation of Kenya

May 2023 - August 2023

ICT Support Attache

I ensured optimal computer and network performance through regular updates, performance monitoring, and proactive user support. I contributed to maintaining database integrity by performing tasks such as data cleaning, analysis, and maintenance using SQL tools. I actively engaged in user training, documented procedures, and gathered feedback to bridge the gap between IT and business needs. I consistently sought to enhance my skills through training, observation, projects, and industry networking.

PROJECT

Video Games Sales Analysis and Visualization

This project delves into the world of video game sales, aiming to extract valuable insights from extensive datasets. Leveraging a combination of **MySQL**, **Power BI**, and **Excel**, we explored key questions about game genres, release trends, sales performance, and more. The findings contribute to a comprehensive understanding of the video game industry landscape.

Key Questions Explored:

- **Genre Distribution:** Which game genre is most prevalent?
- **Peak Release Year:** In which year were the most games released?
- **Genre-Specific Release Peaks:** What are the top years for game releases within each genre?
- **Peak Sales Year:** Which year saw the highest global game sales?
- **Genre Dominance by Year:** Which genre had the most releases in a single year?
- **Top-Selling Genre:** Which genre generated the highest sales in a specific year?
- **Genre-Based Pricing:** Which genre has the highest global average sale price?
- **Platform Pricing:** Which platform offers games with the highest average sale price?
- **Highest-Priced Game:** What is the single game with the highest global sale price?
- **Genre Sales Comparison:** How do sales vary across different game genres?
- **Platform Sales Comparison:** How do sales differ between various gaming platforms?
- **Top Publishers:** Who are the top 20 publishers based on various metrics?
- **Publisher Sales Leadership:** Which publisher has the highest global sales?
- **Publisher Dominance by Year:** Which publisher released the most games in a given year?
- **Regional Revenue:** How does revenue break down across different geographic regions?
- **Sales Distribution:** What is the distribution of game sales?

Tools Used:

- **MySQL:** Utilized to manage and query the video game sales dataset.
- **Power BI:** Employed to create interactive visualizations and analyze the extracted data.
- **Excel:** Used for initial data cleaning, transformation, and basic analysis.

Key Accomplishments:

- Created insightful visualizations using Power BI, including interactive dashboards and charts.
- Utilized Excel for initial data exploration and cleaning, preparing the data for advanced analysis in Power BI.
- Identified key trends and patterns in the video game industry, such as top-selling genres and platforms.
- Provided actionable insights to stakeholders, such as game developers and publishers.

Project link: <https://github.com/MwitaKefa/PowerBI-Project1>

Online Short Courses

- ♦ Data Analytics (ALX African)
 - ♦ Python and SQL for Data Analysis (Coursera)
 - ♦ BigQuery for Data Analysts (Coursera)
 - ♦ Data Analysis (DataCamp)
 - ♦ Data Engineering (DevCareer)
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EDUCATION

Dedan Kimathi University of Technology

Bachelor of Science in Computer Science (Honours)

(2020 – December, 2024)

- ♦ Computer Society of Kimathi - CSOK (member)

Nyankore Mixed Secondary School

Kenya Certificate of Secondary Education

REFEREES

Refences are available upon requests.