

MNGUNI ZULU

DATA ANALYST

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ABOUT ME

Certified data analyst with background in production and ecommerce. Contributed to reducing packaging costs by 80% and delivered presentations on value-chain and production analyses. Regularly deals with small, medium, and large datasets (+3 Mil rows). Expert in data cleaning, data wrangling, data manipulation and integration, machine learning, and ETL in Excel, PostgreSQL, and Python (utilizing libraries such as Pandas, Seaborn, NumPy, Matplotlib, etc.). Proficient in BI tools like Tableau. Aiming to add value to a dynamic team.

DATA ANALYTIC PROJECTS

Life Expectancy & its impacting factors

- Sourced open data from Worldbank and defined research objectives. Performed data cleaning, wrangling, manipulation using Python. Explored correlations in numeric variables, performed regression analyses and hypothesis testing. Resorted to data clustering through machine learning, when regression was unable to explain correlation.
- Visualised data in Tableau and presented conclusions with Dashboards
- **Tools:** Tableau, Python - Pandas, NumPy, Matplotlib, SKlearn

Instacart, Online Grocer

- Conducted exhaustive exploratory analysis of over 32 million records in Python. Performed cleaning, filtering, wrangling & merging operations and visual analysis. Provided actionable recommendations for sales optimisation, operational planning & target marketing.
- **Tools:** Tableau, Python - Pandas, NumPy, Seaborn, Matplotlib

VISIT MY WEBSITE FOR MORE PROJECTS I HAVE DONE

WORK EXPERIENCE

Commercial Manager (Graben, Germany)

Sidco GmbH. / 12.2022 - 06.2023

- Managed all procurement & dispatch processes for online retailer. Routinely analysed datasets in Excel (+16,000 transactions). Analysed & Presented sales data for procurement planning and process optimisation. Reduced packaging costs by up to 80% and uncovered errors in reporting of turnover of 100,000€.
- Communicated & negotiated with suppliers across Europe.

Founder, Micro-brewery (Gaborone, Botswana)

Osadi (Pty) Ltd / 04.2021 - 09.2022

- Founder of a micro-brewery. Developed production process from 0 to 16,000L p/m. Prepared production schedules, budgeting and resource planning in excel. Researched equipment requirements, negotiated with suppliers and oversaw acquisition and installation.

Production Manager (Gaborone, Botswana)

Blue Pride (Pty) Ltd / 01.2014 - 04.2021

- Production manager for commercial seed oil producer. Processing/analysis of +2000 rows per month in Excel. Designed, implemented & management of supplier database (+300 suppliers). Wrote winning proposal for Innovation project funded by Finnish & Botswana innovation agencies. Represented the business at regional and international expos and exhibitions, which led to agreements and sales of approx. 260,000€ p.a.

MORE WORK HISTORY ON LINKEDIN

DATA ANALYTIC SKILLS

- Data Sourcing
- Data Cleaning & Preparation
- Data Wrangling
- Drawing business requirements
- Exploratory & Descriptive Statistics
- Data Transformation
- Data Integration
- Querying, sub-queries & common table expressions (CTEs)
- Report writing & presentation
- Data Visualization & Dashboards
- Hypothesis Testing

TOOLS

- Microsoft Power Point
- Microsoft Excel
- Python: Pandas, Matplotlib, Seaborn, NumPy
- Jupyter Notebooks
- Machine Learning
- PostgreSQL
- Tableau
- Visual Studio Code

LANGUAGES

- German - Native
- English - C2
- Afrikaans - B2

EDUCATION

Career Foundry

- Berlin, Germany

Data Analytics
09/2023 - 02/2024

APMG International

- Johannesburg, South Africa
- PRINCE 2 Foundation
10/2017

Stellenbosch University

- Stellenbosch, South Africa

Bachelor of Commerce
2008 - 2012