

# Mbali Jempi

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## Summary

I am a dedicated and skilled statistician with a passion for applying advanced data analysis techniques to solve complex problems and derive meaningful insights from Big Data. My expertise in statistical modeling and predictive analysis allows me to uncover patterns and trends that support data-driven decision-making. With a strong commitment to continuous learning and career growth, I am confident in my ability to bring value to your organization by executing my responsibilities with precision, enthusiasm, and a high standard of excellence.

## Experience

September 2024 to  
Current

### Sand Technologies

Remote

#### Junior Technical Mentor

- Coordinated and facilitated data analytics courses, ensuring structured delivery for diverse student groups.
- Processed and analyzed large datasets, to build dynamic dashboards that effectively highlighted key insights on student performance and learning outcomes.
- Led weekly team meetings, utilizing design thinking methodologies to collaboratively develop solutions for challenges faced by students, fostering an engaging and supportive learning environment.

September 2023 to  
September 2024

### Sand Technologies | ExploreAI Academy

Remote

#### Data Science Tutor

- Administered and coordinated course delivery for data science students, ensuring smooth and effective learning experiences
- Provided academic and technical support via a dedicated platform, consistently achieving a CSAT score of 85-95%
- Built interactive dashboards in Looker Studio and Google Sheets to analyze graduation rates, assessment performance, and student activity
- Led onboarding and technical webinars, fostering higher student engagement and retention
- Collaborated on curriculum development and contributed to various technical projects
- Delivered tutorials, instructional videos, and live webinars to support student learning and skill development.

January 2022 to  
January 2023

### Prep2Perfection

Pretoria

#### Tutor

- Tutored Accounting, Economics, and Mathematics to both high school and university students
- Boosted student performance by 10-15% on average through customized study materials and targeted problem-solving sessions.

## Skills

- Data Science (Python, R, SQL, SAS, Stata)
- Machine Learning (Supervised/Unsupervised Learning)
- Visualisation Tools (Power BI, Excel, Google Sheets, LookersStudio)
- Web Development (UI/UX, HTML, React, JavaScript, PHP, CSS)
- Link: [Portfolio](#)

- Statistical Modeling (Linear Regression, Time Series)

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**References**

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- Marcia Stellenberg, .EXPLORE SOFTWARE (PTY)LTD, mstellenberg@sandtech.co
  - Damian Vather, Entelect, damianvather@gmail.com
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**Education**

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08/2024

**GirlCode**  
Johannesburg  
Software Development  
Diploma of Higher Education

01/2022

**University of Pretoria**  
Pretoria  
Mathematical Statistics  
Bachelor of Science