

# Solomon Stokie Legoale

Data Analyst

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## Skills

**Database Management:** MySQL (Stored Procedures, Functions, Views); **Microsoft SQL Server** (T-SQL, SSAS, SSIS, SSRS)

**Data Analysis:** Python (Numpy, Pandas, Matplotlib, Seaborn); **Microsoft Excel** (Power Pivot, VBA, Macros)

**Data Visualisation:** Tableau (VizQL, MDX); **Microsoft Power BI** (DAX, M, Power Query)

## Experience

**Retail Trader** – Self-employed

October 2016 – Present

- Created numerous **Tableau** dashboards for comparative analyses of performances and results of 20+ expert advisors, **helped attain a return-on-investment of ~400%**.
- Used **MQL4/5** to develop custom indicators and expert advisors for technical analysis of financial instruments and automated execution of trading operations, effectively **growing my trading account from €2 500 to €15 000**.

**Survey Methodologist** – Statistics South Africa, Pretoria

October 2016 – December 2017

- Developed numerous **Tableau** dashboards to monitor statistical estimates and key sampling metrics,
- Used **SAS** and **MySQL** to extract over 2 million rows of financial data from the Business Register, and integrated the data to develop sampling frames.
- Designed and implemented sample surveys for the production of economic and employment statistics,

**Statistical Analyst** – Statistics South Africa, Pretoria

January 2012 – September 2014

- Performed cohort and period analysis for demographic and health surveys using **Microsoft Excel**,
- Collected, processed and analysed over 2 million records of Census-related data using **R** and **SuperCross**, and performed data quality assessments and post-project evaluations based on the SASQAF Statistical Quality Framework, to effectively **decrease data processing time by ~13%, and to save over 40 hours of weekly manual labour**.
- Led the strategic planning and development of 9 Census-related projects, serving as coordinator and a liaison between various clusters and key stakeholders, and resolving logistical, budgeting and other organisational issues.

**Assistant Statistical Officer** – Statistics South Africa, Pretoria

March 2011 – September 2011

- Used **Microsoft Excel** to create pivot tables and graphical visualisations for initial and exploratory data analysis, successfully identifying and correcting errors in the data, **leading to an improvement of ~8 in data accuracy**.
- Collected 500 000+ units of financial and employment data from 1 000+ companies by use of questionnaires, and **accomplished a data completeness rate of over 96%**.

## Education

**Bachelor of Commerce Honours in Statistics** – ENSEA, Abidjan

September 2014 – October 2016

- Graduated with distinction to obtain an *Ingénieur des Travaux Statistiques diplôme*, which is equivalent in to a Bachelor of Commerce Honours degree in Statistics, while majoring in Finance, with courses including Financial Analysis & Management, Analytical Accounting, Marketing & Market Research, and Management Information Systems.

**National Diploma in Statistics** – ENSEA, Abidjan

September 2009 – December 2011

- *Adjoint Technique de la Statistique diplôme*

## Projects

**Superstore Sales Analysis Project** – Portfolio Project

[View Project](#)

- Created a **Microsoft Power BI** dashboard to acquire business intelligence advantageous for the improvement of sales performances, and transformed and aggregated the sales data through **Power Query** and **DAX** to ensure data completeness and validity.

**Human Resources Analysis Project** – Portfolio Project

[View Project](#)

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**Customer Complaints Analysis Project** – Portfolio Project

[View Project](#)

- Used Python to perform an in-depth analysis of 75 000+ rows of customer complaints data,