Solomon Stokie Legoale
Data Analyst

📞 +27731654164   ✉ sslegoale0@gmail.com   in linkedin.com/in/sslegoale0   🌐 sslegoale0.github.io

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, **to positively achieve 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**
- Built and maintained numerous **Tableau** dashboards to monitor statistical estimates and key sampling metrics, successfully revealing insights **leading to a 100% success rate for sample surveys.**
- Used **MySQL** to extract over 2 million rows of financial data from 20+ tables in the Business Register, integrated the data for the development and maintenance of sampling frames, and performed estimation analysis using **SAS** to measure the precision of statistical estimates of the samples.
- Designed and implemented sample surveys for the production of economic and employment statistics, and this work contributed to **savings of approx. R1 000 000 in potential costs for each exhaustive survey.**

Statistical Analyst – Statistics South Africa, Pretoria   **January 2012 – September 2014**
- Performed cohort and period analysis for demographic and economic surveys using **Microsoft Excel,** and developed **Tableau** dashboards and summary books (statistical releases) to present findings to key stakeholders and clients for decision-making.
- 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**
- Majored in Financial Analysis & Management, Analytical Accounting, Marketing & Market Research, and Management Information Systems, to acquire an *Ingénieur des Travaux Statistiques diplôme,* equivalent to a Bachelor of Commerce Honours degree in Statistics.

National Diploma in Statistics – ENSEA, Abidjan   **September 2009 – December 2011**
- Graduated with distinction to obtain an *Adjoint Technique de la Statistique diplôme*, which is equivalent to a National Diploma in Statistics, with courses comprising Statistics, Probability, Mathematics, Economics, Accounting, Business Management, and Computer Science.

Projects

Superstore Sales Analysis Project – Portfolio Project   **View Project**
- Created a **Microsoft Power BI** dashboard to acquire business intelligence advantageous for the improvement of Superstore sales performances, and transformed, aggregated and filtered the sales data through **Power Query** and **DAX** to ensure data completeness and validity.

Human Resources Analysis Project – Portfolio Project   **View Project**
- Performed an in-depth analysis of ~1 500 employees for a human resources department using **MySQL** and **Tableau** to acquire insights into their distribution based on demographic characteristics, academic achievements and employment history.

Customer Complaints Analysis Project – Portfolio Project   **View Project**
- Used **Python** to study how efficiently banking services are delivered through 75 000+ rows of customer complaints data from Cumulus Financial, methodically using **Pandas** to produce statistics essential in improving these services.