

Real Estate & Financial Sector Analysis (South Africa, 2010–2012)

Executive Summary

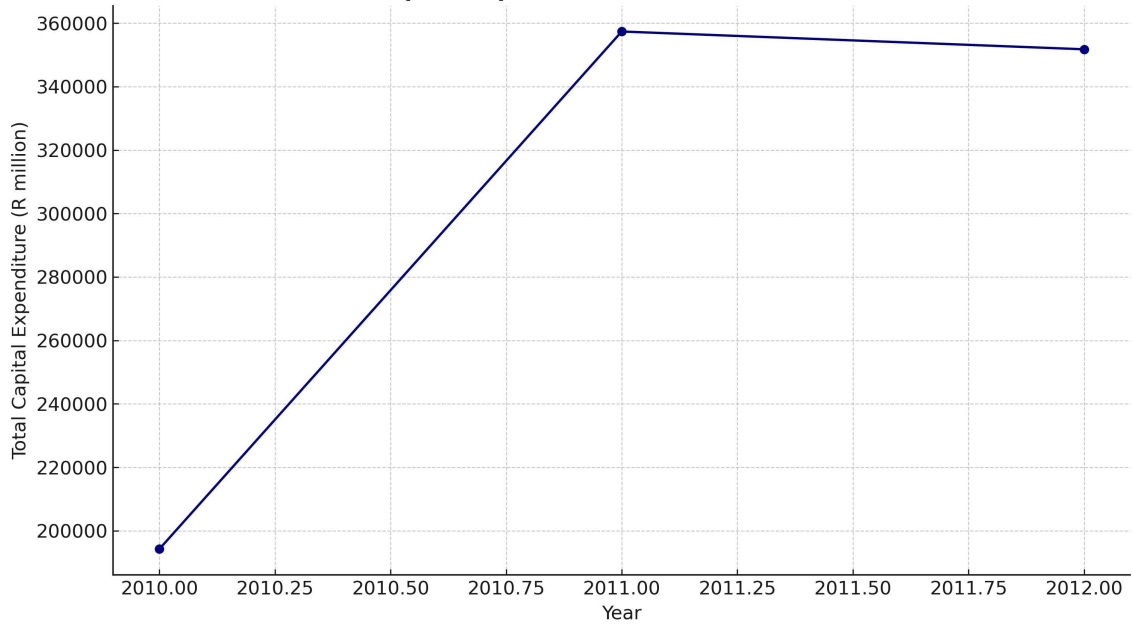
This report presents a data-driven exploration of South Africa's real estate, finance, and auxiliary services sector from 2010 to 2012. Using SQL-powered analytics, the study highlights key financial and employment trends. The findings are tailored for analysts, investors, and policy planners.

Methodology

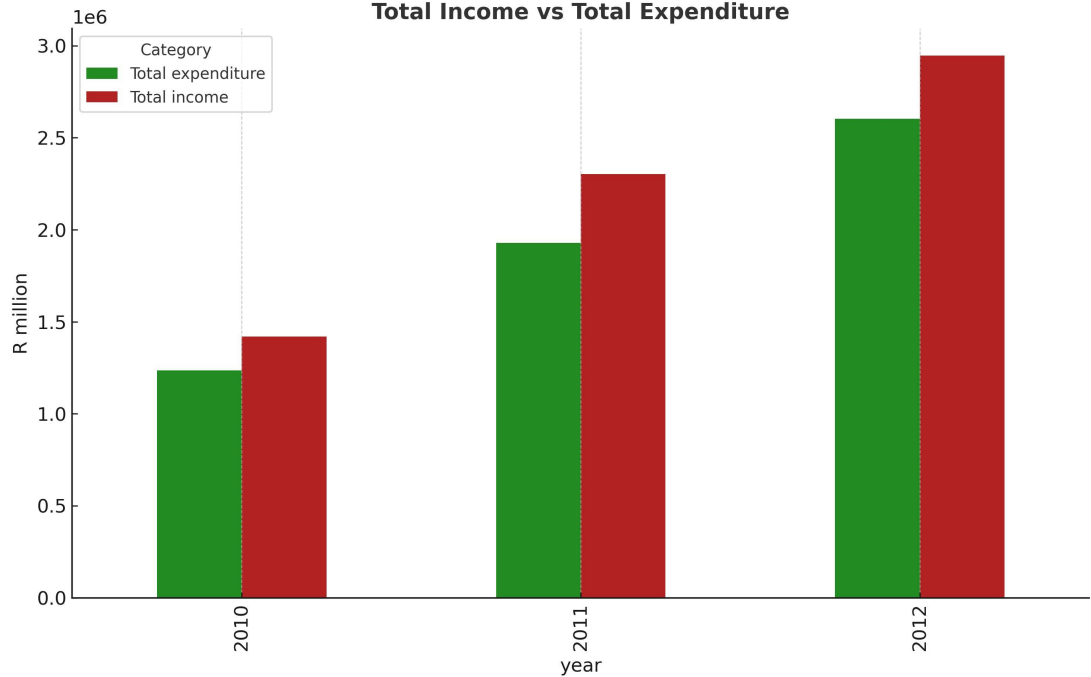
Data from government industry reports was transformed into an SQL database. SQL queries were used to extract trends in capital expenditure, income, and employment. Visualizations were created using Python's matplotlib and seaborn libraries for clarity and presentation.

Visual Overview

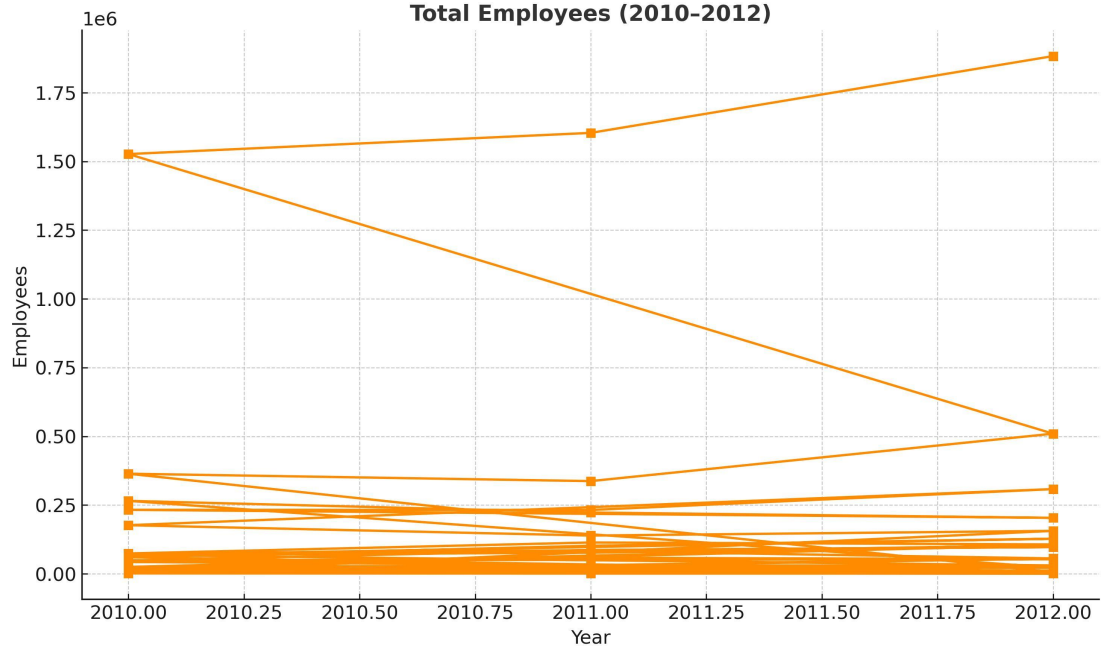
Capital Expenditure Trends (2010-2012)



Total Income vs Total Expenditure



Total Employees (2010-2012)



Capital Expenditure Surge

From 2010 to 2012, capital expenditure increased significantly, reflecting confidence in infrastructure and technology investments. Categories such as computer equipment and land construction dominated the expenditure rise.

Income vs Expenditure

Income consistently outpaced expenditure, suggesting a trend toward profit efficiency. Despite rising operational costs, revenue growth was strong, indicating healthy margins.

Employment Growth

Employee numbers rose steadily over the three years. Both male and female employment increased, signaling organizational expansion in various service sectors.

Key Takeaways

- Strategic investments in technology and infrastructure
- Revenue growth consistently outpacing operational costs
- Employment expansion reflecting broader sector growth

Tools Used

SQL (SQLite) for querying, Python for visualization, and Jupyter Notebooks for workflow management. The analysis demonstrates technical and analytical proficiency.

Conclusion

This project underscores the value of SQL-driven analysis in extracting actionable insights. By structuring the data and applying domain logic, the analysis delivers a holistic view of sector health and potential.

Data Source: Stats SA Report No. 80-04-02