

Akram M.

Analyst | Economic Analysis, Statistical Modelling & Data Validation

Hayward, CA | [Tableau](#)

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Analyst with a Master's in Business Analytics and a B.S. in Economics. Runs statistical analysis, builds models, and explains findings to decision-makers. Proficient in Python, SQL, R, and Excel. Eager to learn more of the health care data domain.

EXPERIENCE

Financial Analyst (Volunteer) | International Sibling Society | Sep 2025 – May 2026

- Prepared monthly financial reports and dashboards for leadership across four program areas covering health, education, climate, and gender equality.
- Ran quarterly variance analysis across 17 grant programs, flagging cost drivers and supporting reallocation decisions that cut overspending 15%.
- Reconciled records and resolved discrepancies for 200+ external partnerships before reporting deadlines.

Graduate Teaching Assistant | California State University, East Bay | Jan 2024 – May 2024

- Tutored 10+ students in statistics under Project IMPACT, a federally funded program, adapting instruction for students with learning disabilities and tracking progress across the semester.
- Wrote an onboarding playbook for new tutors documenting metrics to watch, escalation paths, and support cadence.

Data Analyst | Federal Inland Revenue Service, Lagos, Nigeria | Oct 2020 – Aug 2023

- Developed a risk-scoring model for 2,000+ audit targets in Python, improving operational throughput 15% through data-driven resource allocation.
- Wrote SQL queries to extract, join, and aggregate financial data from existing source tables for compliance reporting.
- Validated data across source systems, correcting integrity issues that cut downstream defects 30%.
- Automated recurring reporting in SQL and Python, cutting manual processing time 240 hours annually.
- Documented business rules, data definitions, and validation criteria for a \$2M system migration to support audit readiness.
- Prepared reports and presentations for senior leadership, translating statistical findings into operational recommendations.

Database Administrator | Federal Ministry of Health and Social Welfare | Oct 2019 – Dec 2019

- Merged and validated clinical and operational field data across multiple sites for a displacement-response project supporting internally displaced persons in Borno State.
- Standardized data collection templates and Excel macros, reducing weekly data consolidation time 40%.
- Prepared data reports and visualizations for stakeholder briefings to the UN, Federal Government of Nigeria, and state health officials.
- Handled sensitive patient data in compliance with confidentiality requirements.

EDUCATION & CERTIFICATES

M.S. in Business Analytics - California State University, Hayward, CA | May 2025

B.S. in Economics - Swansea University, UK | July 2018

[Oracle Cloud Infrastructure](#) | [Databricks Data Lake Fundamentals](#) | [Visualizations in Tableau](#)

SKILLS

Statistical & Economic Analysis: Regression, Classification, Time-Series Forecasting (ARIMA), Anomaly Detection (XGBoost, Isolation Forest), Hypothesis Testing, Data Validation, Quantitative Analysis

Tools: Python (Pandas, Scikit-Learn), SQL, R, Excel (Pivot Tables, Advanced Formulas, Data Models), Tableau, Power BI

Domain: Economic Analysis, Health Care Data, Financial Analysis, Litigation Support (adjacent), Audit Readiness

Core: Written Communication, Data Presentation, Attention to Detail, Multiple Deadlines, Independent Work

PROJECTS

[Payment Ingestion QC & Finance Mart](#)

- Built a SQL pipeline and Tableau dashboards surfacing late-payment patterns across 500K+ transaction records, cutting manual reporting time 60%.

[Airline Passenger Demand Forecasting](#) | R, ARIMA/Holt-Winters

- Built time-series demand models to forecast passenger volume and identify seasonal trends; conducted ACF/PACF diagnostics to validate forecast accuracy.