

Soumya Mazumder

BUSINESS INTELLIGENCE ANALYST | SQL, POWER BI, TABLEAU & PYTHON

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GitHub: github.com/Soumyaengineer • Portfolio: soumyamazumder.com • Full Australian work rights

PROFESSIONAL SUMMARY

Business Analytics graduate from Macquarie University who turns business questions into clear, decision-ready insight. Hands-on with SQL, Power BI, Tableau, advanced Excel and Python across data prep, modelling and reporting. Comfortable gathering requirements, explaining findings in plain language, and delivering dashboards people actually use.

CORE SKILLS

Data & Querying: SQL (joins, aggregation, window functions), data cleaning & wrangling, data modelling, ETL concepts

BI & Visualisation: Power BI (DAX, Power Query), Tableau, Excel (PivotTables, Power Query, advanced formulas), KPI reporting, data storytelling

Programming & Statistics: Python (Pandas, NumPy, scikit-learn), R, SPSS, hypothesis testing, forecasting

Stakeholder & Business: requirements gathering, stakeholder communication, data storytelling for non-technical audiences, Agile fundamentals

PROJECTS

Co-operative Industry Opportunity Analysis — Tableau, SQL, Excel, Research • Client: Mercury Co-operative (PACE Project) Feb 2026 – Jun 2026

- Extended Mercury Co-operative's national Co-op Map into an interactive Tableau environment for 3 decision-maker personas, cleaning and modelling data on 120 co-operatives from Mercury, ABS Census & SEIFA 2021 and CPI to compute co-op density per 100,000 people by state and industry.
- Built composite housing-need and mismatch-severity scores across 8 states and 5 vulnerable groups over a 70-year timeline, mapping 39 housing co-ops, and flagging QLD, SA and TAS as priority markets under data-quality and visual-ethics safeguards.
- Tools:** SQL prep, Excel cleaning, and Tableau maps, filters and parameters for self-serve exploration.

O&F Retail Sales & Customer Analytics Storyboard — Tableau, Excel Jul 2025 – Nov 2025

- Analysed four years (2019–2022) of O&F retail sales in Excel and built 3 Tableau dashboards and 1 executive storyboard covering \$3.59M in sales at a ~6.97% profit margin, identifying Oceania as the top region by revenue (\$1.1M+) versus loss-making Southeast Asia.
- Segmented customers into 3 types and 4 clusters to isolate the most profitable groups, and modelled a 5-day shipping SLA to quantify \$200K+ of profit at risk from shipping breaches, flagging Brisbane (3.5-day average vs the 4-day benchmark) for operational focus.
- Tools:** Tableau calculated fields, clustering and dashboard actions in a guided storyboard.

Used-Car Price Prediction — Python, Machine Learning • Kaggle Competition Jul 2025 – Nov 2025

- Built an end-to-end regression pipeline in Python (Pandas, NumPy, scikit-learn) on 8,000 training vehicles to predict listed used-car prices for a Kaggle competition, engineering features via imputation, one-hot encoding, scaling and regex-based extraction.
- Trained and hyperparameter-tuned Ridge, HistGradientBoosting and XGBoost models with GridSearchCV cross-validation, selecting XGBoost as the best performer at 11.3% CV MAPE — less than half the 25.4% linear baseline error.
- Tools:** Pandas/NumPy features, scikit-learn pipelines, GridSearchCV tuning, MAPE comparison.

Credit Card Spend Anomaly Detection — Power BI, Python Feb 2025 – Jun 2025

- Profiled 1.6M+ transactions covering \$680M+ in spend from the State of Delaware public "Credit Card Spend by Merchant" dataset in Python, flagging ~7.36% of transactions as anomalous or high-risk.
- Delivered an interactive Power BI report identifying Grainger as the top flagged merchant and a June spike to ~9% flagged transactions, separating likely genuine anomalies from seasonal holiday spending and surfacing top-spend accounts.
- Tools:** Python (Pandas) anomaly detection with Power BI visuals, DAX measures and slicers.

PROFESSIONAL EXPERIENCE

Coles Supermarkets — Team Member, Sydney NSW Feb 2025 – Present

- Stepped up into a leadership role as temporary Nightfill Captain, coordinating the overnight team and working directly alongside the reporting manager to keep the store at optimal stock position.
- Manage day-to-day stock replenishment and inventory checks in a fast-paced retail environment; cut replenishment time by ~30% — clearing a ~6.5-hour workload in ~4.5 hours — while keeping shelves consistently stocked.

Room Attendant — Global Hospitality Solutions (GHS), Part-time, Sydney NSW Nov 2024 – Feb 2025

- Logged daily room status and asset data, ensuring 100% data integrity for management's operational reporting, and redesigned cleaning workflows to cut average room turnover time by 15%.
- Communicated daily with Front Office and Maintenance to track, report, and resolve operational issues.

Business Development Intern — GAO Tek Inc., New York, USA (Remote) Jul 2023 – Aug 2023

- Completed a structured technology-sector internship, receiving hands-on training across business development skills.
- Supported outreach and lead-qualification activity for the business development team, gaining exposure to client communication and B2B sales processes.

Sales Assistant — Moyuri, Chattogram, Bangladesh Jan 2022 – Jul 2023

- Advised customers in person across the store's product range, answering product questions and completing sales.
- Worked within a small team through peak trading periods, building the communication skills now applied to presenting analysis to non-technical stakeholders.

JOB SIMULATIONS (FORAGE)

2026: Deloitte Australia (Data Analytics — Tableau dashboard, Excel pay-equity classification); Commonwealth Bank (Intro to Data Science — data pipeline, anonymisation, Power BI/Excel reporting); British Airways (Data Science — review sentiment analysis, Python booking-prediction classifier).

EDUCATION

Bachelor of Commerce — Business Analytics (Major), Marketing (Minor) Jul 2024 – Jul 2026

Macquarie University, Sydney | Member, Macquarie Business Society

- Coursework across business analytics, database systems, statistics, forecasting and business decision-making — applied through case studies and group projects on real datasets.

Bachelor of Business Administration (BBA) — Business Administration, Management and Operations Sep 2022 – Jul 2024

North South University, Dhaka

- Coursework in marketing strategy, finance and business research, applying MS Office (Excel, Word, PowerPoint) to solve business problems and drive value for stakeholders.

CERTIFICATIONS

- Google Data Analytics Professional Certificate — Coursera / Google
- Meta Database Engineer Professional Certificate — Coursera / Meta
- Tableau Business Intelligence Analyst — Coursera / Tableau Learning Partners
- Excel Skills for Business — Macquarie University / Coursera