

Soumya Mazumder

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

Marsfield, NSW • +61 416 689 337 • soumyamaz3@gmail.com • [LinkedIn: linkedin.com/in/soumya-mazumder](https://www.linkedin.com/in/soumya-mazumder) •

[GitHub: github.com/Soumyaengineer](https://github.com/Soumyaengineer) • [Portfolio: soumyamazumder.com](https://soumyamazumder.com)

PROFESSIONAL SUMMARY

Analytically minded Business Analytics student at Macquarie University who turns business questions into clear, decision-ready insight. Hands-on with SQL, Power BI, Tableau and advanced Excel, with working Python and growing familiarity with AI-assisted workflows for data prep and reporting — comfortable gathering requirements, explaining findings in plain language, and delivering dashboards people actually use. A self-directed learner who picks up new tools quickly, with strong attention to detail under deadline pressure.

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
AI-Assisted Analytics	Familiar with AI tools (Claude, ChatGPT) for accelerating data cleaning, exploratory analysis and report drafting; developing skills in structured prompt design
Programming & Statistics	Python (Pandas, NumPy) — working knowledge; R, SPSS; hypothesis testing, forecasting fundamentals
Stakeholder & Business Communication	Requirements gathering, stakeholder communication, data storytelling for non-technical audiences, Agile fundamentals
Strengths	Curiosity & problem-solving (Kaggle model iteration; fraud-detection anomaly work); collaboration (group coursework, multi-persona co-op project)

PROJECTS

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

- 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 (SQL, Excel) to compute co-op density per 100,000 people by state and industry.
- Built composite housing-need (1–10) and mismatch-severity scores across 8 states and 5 vulnerable groups over a 70-year (1955–2024) timeline, mapping 39 housing co-ops and the 6 co-ops within 15 km of campus, 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 – Nov 2025

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

Used-Car Price Prediction — Python, Machine Learning • Kaggle Competition Jul – 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 Fraud Detection Analysis — Power BI, Python Feb – Jun 2025

- Ran exploratory data analysis in Python to detect anomalies and redundant records in the State of Delaware public "Credit Card Spend by Merchant" dataset, identifying that ~7.36% of transactions were fraudulent or unusually high.
- Delivered an interactive report with data storytelling that flagged Grainger as the top fraudulent merchant and a June spike to ~9% fraud (May–July), separated genuine fraud from holiday spending (Nov–Jan), and surfaced the Department of Corrections and telecom firms as 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

- Manage day-to-day stock replenishment and inventory checks in a fast-paced retail environment, ensuring consistent product availability.
- Work directly with supervisors and customers to resolve issues on the spot, staying calm and clear under time pressure during peak trade.

JOB SIMULATIONS (FORAGE)

Deloitte Australia — Data Analytics. Tableau dashboard from client telemetry + Excel pay-equity classification. 2026

Commonwealth Bank — Intro to Data Science. Built a data pipeline, anonymised sensitive data, and reported insights in Power BI/Excel. 2026

British Airways — Data Science. Web-scraped reviews for sentiment analysis; trained a Python booking-prediction classifier. 2026

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.

CERTIFICATIONS

- | | |
|--|--|
| Google Data Analytics Professional Certificate — Coursera / Google | Meta Database Engineer Professional Certificate — Coursera / Meta |
| The Business Intelligence Analyst Course 2026 — Udemy | Excel Skills for Business — Macquarie University / Coursera |
| Data Analysis with Pandas and Python [2026] — Udemy | Standard Chartered Credit Analyst (Banking & Coverage) Job Simulation — Forage |
| SQL for Data Analysis: Advanced SQL Querying Techniques — Udemy | |
| Tableau Business Intelligence Analyst — Coursera / Tableau Learning Partners | |