

NATHANIEL PYLE

Data Analyst | Business Intelligence and Machine Learning | Insights

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Portfolio: <https://nathanielpyle.github.io/>

Profile

Data Analyst with a Master of Applied Data Science, specialising in transforming complex datasets into practical insights that improve business performance. Seeking a role where I can deliver clear, measurable results through analysis, reporting, and data-driven decision support.

Core skills

Python, R, SQL | Power BI, Tableau, Excel | ETL, Data Wrangling and Cleaning | Feature Engineering and Machine Learning | Geospatial Analysis using QGIS

Experience

Project Intern – Data Science at Headway Systems Limited (May 2025 – November 2025)

- Built Streamlit analytics app for bedroom and bathroom predictions
- Cleaned data, feature engineered new variables, and performed machine learning
- Communicated insights clearly to stakeholders

Masters Project – University of Canterbury Rugby Research team (November 2023 – February 2024)

- Developed a relational database through the use of R and PostgreSQL
- Transformed raw data into an accessible database, assisting researchers in retrieving player data

Guest Service Agent at Sudima Hotels Christchurch (2021 – 2023)

- Prepared financial, managerial, and banking reconciliation reports using Excel
- Handled credit card prepayments, account audits, and petty cash allocation

Administrator – Intensive Care Unit Christchurch Hospital (2019 – 2020)

- Maintained high-accuracy clinical databases
- Produced documentation and ensured data consistency

Education

Master of Applied Data Science – University of Canterbury (2024)

Graduate Diploma in Applied Management – Ara Institute of Canterbury (2019)

Bachelor of Arts – University of Canterbury (2016)

Personal Interests

In my spare time I enjoy playing chess and practising judo. What I have gained from chess is strategic thinking, while judo has developed my resilience, coaching ability, and confidence in high-pressure situations.

References available upon request