

GABRIELA OLIVERA

Data Analyst · Operations & Supply Chain Background

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SUMMARY

Data analyst with fourteen years in operations and procurement across horticulture, food manufacturing and logistics. I have managed 150+ perishable suppliers and delivered 15–20% cost reductions, and I know where operational numbers break before they reach a report. I now build the analysis end to end: collecting and cleaning the data, modelling it, and turning it into dashboards people actually use. Two independent projects, both live and open-source, apply that background to Bay of Plenty kiwifruit — built on real New Zealand government data, with the limitations written down rather than hidden.

SKILLS

Analysis & reporting SQL, statistical analysis, scoring and scenario models, forecasting, KPI tracking, reporting to senior management

Tools Power BI, Python (pandas, geopandas), Streamlit, SQLite, JavaScript

Data engineering Data pipelines, database and star-schema design, API integration, data-quality validation

Ways of working Git and GitHub, automated testing, continuous integration, accessible design (WCAG AA), clear technical writing

Domain Supply chain and logistics, procurement, operational risk, perishable goods and primary-industry operations

Languages Spanish (native), English (professional)

INDEPENDENT ANALYTICS PROJECTS

Both projects were built with AI coding assistance (Claude Code). The questions, the data sources and the modelling decisions are mine — as was the decision to audit the finished work, which surfaced a fault in my own risk model that I published as a stated limitation rather than leave standing. Full development history is public on GitHub.

TERROIR — Where could kiwifruit growing expand in Bay of Plenty?

Jul 2026 – Present

[terroir.streamlit.app](#) · github.com/gabrielaoliveranz/horticultural-land-suitability-nz

- Answered a real regional question with real data: scored all 22,834 rural land parcels across four districts for kiwifruit suitability, and identified 13,040 with good soil and no current orchard or vineyard use. Built as a Python pipeline drawing on four live New Zealand government sources — LINZ property boundaries, S-map soils, LCDB land cover and Open-Meteo climate.
- Designed the scoring model itself, weighting four soil properties against published New Zealand kiwifruit agronomic research, and documented every assumption so a reader can judge what the score does and does not cover.
- Found and fixed two data faults that would otherwise have gone unnoticed: a text-encoding mismatch that silently dropped an entire district from the analysis, and a boundary error that filed 19.4% of parcels one tier too low — caught because a filtered subset came out larger than the group it was filtered from, which is impossible.
- Delivered a six-page interactive dashboard and a written case study for non-technical readers, both checked for colour-blind accessibility and text contrast.
- Made the pipeline safe to re-run unattended: automated tests on every change, and data requests that retry sensibly when a government service is slow or unavailable.

APOPHENIA — Should this kiwifruit shipment go today, or wait?

Mar 2026 – Present

[apophenia-nz.vercel.app](#) · github.com/gabrielaoliveranz/optimising-kiwifruit-export

- Built an interactive decision tool for a kiwifruit export season: nine operational variables — weather, port congestion, fruit quality, regulatory load — recalculate risk, cost of delay and a 26-week outlook as the user changes them, and return a plain-language recommendation.
- Designed the underlying database as a star schema from a synthetic dataset of 445 growers across four seasons, calibrated against published industry documents, and analysed it in SQL alongside a Power BI dashboard.
- Validated the risk model with logistic regression (McFadden pseudo- R^2 0.70). A later audit surfaced that two of the five inputs — a quarter of the model's weighting — carried no variation and therefore no predictive value; I published that as a stated limitation rather than let the headline figure stand alone.
- Connected four live public data feeds — weather, currency rates, road geometry and mapping — each guarded independently so one outage never breaks the rest.
- Separated configuration from logic so the same framework can be pointed at another supply chain — dairy, wine, seafood — by editing a single file.

EXPERIENCE

Quality Control & Operations — Regulated Primary Industries

Mar 2019 – Sep 2025

Contract and temporary roles · Bay of Plenty and Marlborough, New Zealand

- Worked across wine production, food manufacturing, kiwifruit post-harvest, logistics and laboratory environments — Pernod Ricard (cellar hand), MPAC (box making and quality control), EastPack (forklift operations), AssureQuality, Jenkins Freshpac, Tegel, Vardaan Enterprises and Sea Gulls Guest House — building first-hand knowledge of how New Zealand primary-industry supply chains actually run.
- Carried out quality control against grade and compliance standards at production pace, in audited environments where traceability and record accuracy matter — the same operational measurements that drive both portfolio projects.
- Operated forklifts across three employers through consecutive peak seasons with a zero-incident record, in full compliance with New Zealand workplace health and safety standards.
- Studied IT and data analytics concurrently from 2024, completing four qualifications while working full time.

English Language Teaching Practicum & Intercultural Experience

Mar 2015 – Dec 2018

Teacher training programme · Argentina and Brazil

- Designed and delivered structured English lessons to Years 3–4 primary students in Argentina as part of a teacher-training practicum — the grounding for how I now explain technical analysis to non-technical audiences.
- Lived and worked in Brazil through 2018 across retail and hospitality, before relocating to New Zealand.

Procurement Analyst — Sourcing & Cost Analytics

Jan 2011 – Jan 2014

Aramark Argentina · Buenos Aires, Argentina

- Delivered 15–20% cost reductions through weekly comparative price models, while protecting continuity of supply in high-risk perishable categories.
- Ran time-sensitive procurement of perishable and short-shelf-life categories — poultry, fresh produce, dairy, bakery, chilled and frozen meats — across 150+ national suppliers, following promotion from operations supervisor.
- Produced weekly procurement reporting and dashboards for senior management, feeding national sourcing strategy and KPI tracking.
- Managed the full supplier lifecycle at category-management level: sourcing, contract negotiation, audits and e-procurement onboarding.

Inventory & Operations Supervisor

Jan 2006 – Jan 2011

Aramark Argentina · Buenos Aires, Argentina

- Led inventory and demand planning for on-site catering at a Buenos Aires K–12 school of 1,800+ students, supporting 1,000+ meals daily.
- Forecast weekly requirements by reconciling stock against menu cycles with the head chef, translating culinary planning into procurement orders.
- Held 5–7 days of perishable stock with a 3–4 day buffer per cycle, mitigating supplier shortages, delivery failures and vehicle breakdowns.

COMMUNITY

Environmental Volunteer

Feb 2026 – Present

Tauranga City Council · Tauranga, New Zealand

- Take part in council-run ecological restoration across Tauranga's estuary, dune and gully reserves — native planting, riparian planting and invasive pest-plant removal at Waikareao and Waimapu Estuaries, Papamoa and Mount dunes, and Maungawhare Gully.
- Joined the Waimapū Bird Identification and Weeding Bee for Conservation Week 2026, run with Envirohub BOP, learning native bird species identification in the field and how local habitat work links into wider ecological corridors across the city.

EDUCATION & CERTIFICATIONS

Certificate of Proficiency — Data Analytics & Database Design (Level 6) — Open Polytechnic of New Zealand, Jun 2026

New Zealand Certificate in Information Technology (Level 5) — Open Polytechnic of New Zealand, Jan 2026

Google Data Analytics Professional Certificate — Coursera, Dec 2025

New Zealand Certificate in Information Technology Essentials (Level 4) — Toi Ohomai Institute of Technology, Jul 2025