# VALENTIN ROUQUIER

**Data Analyst · 12 years in aviation and port operations · Power BI certified (PL-300)**

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Open to: France, Geneva, Luxembourg · Remote · Driving licence B

## PROFESSIONAL SUMMARY

Twelve years running airport and port operations, then retrained as a Data Analyst: I bridge the field and the data. I build end-to-end pipelines, from data collection to dashboards (BigQuery, dbt, Power BI), and turn operational data into metrics that drive action.

## DATA PROJECTS

*Published personal projects: code, method and dashboards at* github.com/valrqr

**SILLAGE** Energy performance of a container ship fleet — November 2026
Python · BigQuery · dbt · Power BI (Microsoft Fabric) github.com/valrqr/sillage

- Analysed public EU MRV reports (2024–2025) for the 197 container ships managed by the CMA CGM group, benchmarked against 2,100+ vessels: the fleet slowed by 1.2 knots in one year, using 2.6% less fuel per nautical mile.
- Benchmarked each vessel against its sister ships: flagged 4 vessels burning at least 15% more fuel than their class for investigation. Tested pipeline (11 dbt tests) and Power BI dashboard.

**MAINTAIN** Descent level-offs into Nice Côte d'Azur — November 2026
Python · OpenSky API · BigQuery · dbt github.com/valrqr/maintain-4000

- Collected ADS-B data, detected 427 level-offs across 385 arrivals and estimated the fuel and $CO_2$ at stake (OpenAP model).
- 35% of level-offs account for 80% of the fuel at stake; the share of arrivals with a level-off rises from 33% to 76% above 3 arrivals per hour.

**Hospital readmissions of diabetic patients** La Capsule, team project — 2026
Airbyte · Airflow · Docker · BigQuery · dbt · Python · Power BI

- End-to-end ELT pipeline on ~100,000 hospital stays, KMeans segmentation and XGBoost classification: high-risk group (6% of patients) with a 25% readmission rate vs. an 11% baseline; Power BI dashboard for non-technical stakeholders.

## WORK EXPERIENCE

**Operations & Port Delivery Agent** Intercruises, Nice — 05.2025 – 04.2026

- Coordinated shore excursions for cruise lines, 200+ port calls per season.
- Tracked profitability per port call (costs, margins); built an Excel/VBA pricing negotiation tool: 3-year price history and cancellation tracking by coach operator.

**Airfield Officer** Aéroports de la Côte d'Azur, Nice — 11.2020 – 02.2025

- Airside safety and infrastructure integrity: reported and analysed safety events, followed corrective actions through to closure.
- Built an Excel/VBA tool for daily airside activity logging, with automated monthly, IATA-season and annual reporting to PowerPoint.
- Trainer and examiner for the airside driving permit (30+ staff per year); coordinated airside works, emergency response and NOTAMs.

**Traffic & Operations Officer** Aéroports de la Côte d'Azur, Nice: real-time resource allocation — 02.2020

**Turnaround Coordinator / Loadmaster** Aviapartner, Nice — 05.2012 – 10.2019

- Coordinated departing flight turnarounds and supervised aircraft loading; prepared loadsheets and load plans (weight and balance).
- Dangerous goods (IATA DGR, NOTOC); Amadeus Altéa departure control system.

## SKILLS

**Data** SQL (BigQuery, PostgreSQL), Python (pandas, scikit-learn, XGBoost), dbt (modeling, tests, macros), Airflow, Airbyte, Docker, n8n

**BI** Power BI (DAX, Power Query, star schema modeling), Microsoft Fabric, Tableau, advanced Excel, VBA

**Analysis** Exploratory data analysis, KPI design, clustering, logistic regression, model evaluation, data storytelling, business requirements gathering

**AI** Claude Code, Claude Platform

## EDUCATION, CERTIFICATIONS & LANGUAGES

**Education** Data Analyst, La Capsule (RNCP 37625BC03, 2026) · Flight Dispatcher, ENAC (2012) · HND Logistics & Transport, IUT Aix-Marseille (2011)

**Certifications** Microsoft PL-300 Power BI Data Analyst (2026) · Microsoft MO-211 Excel (in progress) · Anthropic: Claude Code 101, Claude Platform 101, Claude Code in Action · Google AI Fundamentals (2026)

**Languages** French (native) · English (fluent): TOEIC 990 (2020), Cambridge Certificate of Advanced English C1 (2013)