Jordi Sanjuan Jover

Data Scientist · Python · SQL · Machine Learning · Deep Learning

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Profile

Data Scientist trained at the Universitat Oberta de Catalunya, focused on applied machine learning and artificial intelligence, with published end-to-end projects: predictive models on educational data, an open housing dataset with a DOI, and human activity recognition from sensor data. Ten years translating complex information into decisions for non-technical teams across clinical, sports and teaching settings led me to specialise in data as the basis for decision-making. Interested in machine learning and deep learning applied to problems with measurable consequences.

Technical skills

Languages — Python, SQL, R

Tools — Git, CI/CD, Docker

Libraries — Pandas, NumPy, Matplotlib, Scikit-learn

Machine learning — linear and logistic regression, classification (XGBoost, Random Forest, SVM, KNN), clustering (K-means, DBSCAN), time series

Deep learning — TensorFlow, PyTorch, CNN, RNN, Hugging Face Transformers, BERT, embeddings, NER

Projects

Human Activity Recognition from IMU Sensors

Python, PyTorch, Scikit-learn · MSc thesis, UOC · 2026

- Activity classification from accelerometer and gyroscope time series: preprocessing, signal windowing and feature extraction.
- Benchmarking of classical models against neural network architectures.

Alicante Housing Market Analysis

Python, Pandas, SQL, Selenium, Scikit-learn · 2026 · Zenodo

- End-to-end data pipeline on 1,802 property listings: collection, cleaning, geocoding and geospatial enrichment.
- Market segmentation into price clusters and identification of the key drivers of property value.
- Released as an open dataset with a DOI.

ED-Alert

Python, Pandas, Scikit-learn, Tableau · 2026 · Tableau Public

- Analysis of early school leaving across Spanish regions and against Europe (ELET indicator), combined with PISA 2022 data.
- Identification of the strongest predictors of dropout risk using Random Forest, and detection of natural student groupings with MCA.
- Interactive Tableau visualisation for vocational-training guidance counsellors.

Experience

Vocational Education Teacher, Healthcare

Generalitat Valenciana · Valencia, Spain · October 2022 – August 2026

- Designed and led a teaching innovation project connecting the healthcare vocational curriculum with the working environment. Coordinated a five-person working group; over 100 students took part in its first year.
- Technical communication of complex content to non-specialist audiences.
- Group management and assessment based on performance indicators.

Sports Physiotherapist

Club Bàsquet Alginet, LEB Plata · Alginet, Spain · September 2019 – May 2024

- Head of the physiotherapy area, managing one physiotherapist and interns.
- Built an injury recovery tracking system in Excel — structured intake forms for athletes and a reporting dashboard for the coaching staff — reaching 100% squad availability in the 2020–21 season and over 90% in the following ones.
- Decision-making and communication within a multidisciplinary performance team of coaching staff, strength and conditioning, and medical services.

Sports Physiotherapist

Club Handbol Canyamelar (Liga Guerreras Iberdrola) and Club Bàsquet Claret (Liga Femenina 2), 2018–2019 · Tatami Rugby Club (División de Honor B), 2014–2016

- Full squad coverage at three clubs competing in national leagues: systematic injury logging and weekly availability tracking.

Clinical Physiotherapist

Clínica Axis, Cabinet Paramédical Linet and Corpo Sano Fisioterapia · Valencia, Spain and Épernon, France · 2014–2022

- Autonomous management of a caseload of 120 patients.
- Two years practising in France, working entirely in French.

Education

MSc in Data Science

Universitat Oberta de Catalunya · September 2025 – December 2026 · GPA 7.4/10

BSc in Physiotherapy

Universitat de València · 2010–2014 · GPA 7.49/10

Certifications

- Google Project Management Professional Certificate — Coursera, 2026

Further postgraduate study

- MSc in Sports Physiotherapy and Return to Play — Universitat Autònoma de Barcelona, 2019–2020
- MSc in Secondary Education Teaching — Universitat de València, 2018–2019

Languages

Spanish and **Valencian** native · **French** C1 equivalent · **English** B2, Pearson Certificate