

DATA SCIENTIST | DATA ANALYST | BUSINESS ANALYST

Juan Antonio Banderas Ramírez

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Summary

Data Scientist with extensive experience in International Trade, logistics, and supply chain management. Over 10 years of professional experience in operations, marketing, and sales within the logistics sector, providing a 360-degree business perspective and comprehensive understanding of what companies seek to measure and improve, bridging the gap between data and real-world impact. Proficient in Python and SQL programming languages. Strong capabilities in analyzing and transforming information, creating detailed visualizations and reports, developing and optimizing ML models that help businesses make better decisions.

Technical Skills:

Programming & Tools: Python | Pandas | Scikit-learn | NumPy | SQL | Machine Learning | Data Visualization | Matplotlib | Seaborn | Plotly | Data Analysis | Statistical Analysis | Data Preparation and Cleansing | A/B Testing | NLP | PyTorch | Data Wrangling | TensorFlow | NLTK | spaCy | BERT | Transformers | XGBoost | LightGBM | Cross-validation

Business Skills: Negotiation | Sales | Marketing

Core Competencies:

Languages: Spanish (Native), English (Advanced C1)

Business Skills: Contract Negotiation, Sales Strategy, Marketing, Team Leadership

Technical Approach: Cross-functional collaboration, analytical problem-solving, time management, attention to detail

Technical Experience:

- **Customer Churn Prediction System:** Developed a machine learning system to predict customer cancellation for a telecommunications and internet company. Implemented 5 different algorithms with hyperparameter optimization and generated executive reports with actionable recommendations for customer retention.
- **Taxi Demand Forecasting System:** Developed a predictive taxi demand system using time series analysis with Python, implementing seasonal decomposition, Dickey-Fuller stationarity tests, and comparing 4 ML algorithms, achieving fleet distribution optimization and reducing wait times by 15-30%.
- **Sentiment Analysis System:** Implemented a complete sentiment analysis system for movie reviews using BERT and transformers with PyTorch, comparing 5 approaches from classical NLP to deep learning, achieving automated review classification with industrial precision and reducing manual analysis by 80%.
- **Automated Pricing Engine:** Developed an automatic pricing engine for used vehicles using XGBoost, LightGBM, and CatBoost, with comparative benchmarking of 6 ML algorithms, achieving automated vehicle valuation with 90%+ reduction in processing time and simultaneous optimization of accuracy and speed.

Professional Experience:

Business Development Leader | Inlog Logistics Solutions | Oct 2022 - Present

- Increased company sales by 30% through strategic new service offerings and comprehensive package bundling
- Achieved 70% customer retention through value-driven service integration

- Led development and implementation of supply chain management platform, improving response times and operational visibility
- Closed multiple supplier contracts, expanding service coverage and quality

Operations Manager | Inlog Logistics Solutions | May 2017 - Oct 2022

- Implemented ERP system achieving 35% time savings in shipment management processes
- Simplified the quotation system achieving a 60% faster response time
- Automated 40% of daily operations through workflow optimization, reallocating resources to customer service and strategic initiatives

Technical Projects:

Customer Churn Prediction System | Telecommunications

- Developed comprehensive churn prediction system using 5 ML algorithms (LightGBM, Random Forest, Logistic Regression) with hyperparameter optimization
- Built end-to-end pipeline with ROC-AUC evaluation, delivering actionable insights for customer retention strategies
- Applied advanced feature engineering creating scalable framework for customer lifecycle management

GitHub: [Interconnect Project](#)

Zyfra: Mining Process Optimization

- Built gold recovery optimization system with custom SMAPE metrics and flotation analysis
- Implemented ML pipeline using domain expertise in rougher/cleaner processes for precious metal extraction
- Created framework applicable to oil & gas, chemical processing, and manufacturing sectors

GitHub: [Zyfra Project](#)

Privacy-Preserving ML | Insurance/Financial Services

- Developed GDPR-compliant analytics pipeline with advanced data obfuscation techniques
- Implemented mathematical transformations protecting sensitive data while preserving ML model accuracy
- Applied linear algebra for reversible data transformations in regulated environments

GitHub: [Sure Tomorrow](#)

Sentiment Analysis System | NLP/Entertainment

- Built complete sentiment analysis system using BERT and transformers with PyTorch
- Compared 5 approaches from classical NLP to deep learning, achieving 80% reduction in manual review analysis
- Created scalable text processing pipeline for millions of documents

GitHub: [Film Junky Union](#)

Education:

- **Bachelor's Degree in International Trade** | UVAQ | Completed | 2011-2015
- **Data Scientist Bootcamp** | TripleTen | Completed | 2024-2025