

Francesc Montané

Data Scientist



A business-focused data scientist with a 7+ year proven track record of developing data products to create value for companies.

Contact

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Loc: Madrid, Spain
[LinkedIn](#)
[Web Portfolio](#)

Education

PhD, University of Barcelona
Forest Engineering, University of Lleida
Forest Technical Engineering, University of Lleida

Skills

Python
Large Language Models (LLMs) & Generative AI
Streamlit (LLMs-powered web apps)
Time Series Forecasting
R, Shiny & R Markdown
Machine Learning & H2O
Automatic Machine Learning
SQL
Automation

Work Experience

Data Scientist

Ineco (Madrid, Spain)

May 2018 - Present

- Build PoC LLMs-powered web apps with Python and Streamlit using OpenAI's models (gpt-4o-mini and gpt-4o), Llama3.2 and DeepSeek-R1.
[Sample Project 1: AI multiple PDFs summarizer \(in Spanish\) \(OpenAI\)](#)
[Sample Project 2: Medical Tests AI Copilot \(in Spanish\) \(OpenAI\)](#)
[Sample Project 3: Data Analysis AI Copilot \(in Spanish\) \(OpenAI\)](#)
- Designed and created a report automation in R to regularly inform the Minister of Justice, resulting in more than 50.000€ per year savings in working hours.
- Sample Project 4: [Time Series Forecasting Application \(R, Shiny\)](#)
- Sample Project 5: [Costs Prediction Application \(R, Shiny\)](#)

Data Scientist

Innovahead (Madrid, Spain)

August 2017 - April 2018

- Applied time series forecasting in R to predict sales.

Postdoctoral Scientist

University of Arizona (USA)

December 2013 - March 2017

- Performed complex data analysis to evaluate a model in 9 forest sites in the USA. Discovered key structural and parameterization deficits to improve the model. Published an article (available [here](#)), with over 5000 downloads, in a scientific journal.

Postdoctoral Scientist

Univ. of Oklahoma, Michigan State U. (USA), U. of Toronto (Canada)

January 2011 - December 2013

- Performed modeling projects, including NASA's Terrestrial Ecology Program funded project "MsTMIP Phase I".

Research Scientist

Forest Sciences Center of Catalonia (Spain)

May 2004 - December 2010

- Completed my PhD after being awarded three competitive Fellowships, including two Fellowships in Canada to implement spatial data analysis and spatial models using R. Wrote and published 6 articles in high-impact factor international scientific journals.