Francesc Montané

Data Scientist

A business-focused data scientist with a 8+ year proven track record of developing data products to help business.

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

R & Shiny (Tidyverse)
Time Series Forecasting
R Markdown
H20 Automatic Machine Learning & Tidymodels
SQL
Customer Segmentation

Work Experience

Data Scientist

Ineco (Madrid, Spain)
May 2018 - Present
- Build a web application with R and Shiny using models (time series forecasting) to quantify the effect of the Covid-19 pandemic on the number of communications in the Ministry of Justice in Spain, and identified using the models a 50-90% decrease, depending on the region, in the number of communications during the beginning of the pandemic.
- 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 1: Time Series Forecasting Application (R, Shiny)
- Sample Project 2: Costs Prediction Application (R, Shiny)

Data Scientist

Innovahead (Madrid, Spain)
August 2017 - April 2018
- Applied time series forecasting in R to predict sales.

Data 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 1000 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.