

Isabel Casas

Unravelling uncertainty with Statistics and Data

Associate Professor — Data Scientist — R Developer

casasis@gmail.com — www.icasasweb.com

GitHub: [icasas](https://github.com/icasas) (Dr Houses)

Bilbao, Spain



Profile

Applied data scientist and econometrician with experience in finance, energy, and economics. Skilled in statistical modeling, R programming, and data handling.

Key Skills

- Econometrics & Statistical Modeling
- Time-varying coefficient models
- R programming and package development (**tvReg**)
- Renewable energy data analysis (wave energy)
- Project management and applied research

Professional Experience

Associate Professor, University of Deusto 2020 – Present
Applied analytics, R software development, and data-driven solutions in finance and energy.

Associate Professor, University of Southern Denmark 2011 – 2020
Led applied research projects; supervised industry-oriented theses in econometrics and energy forecasting.

Postdoctoral Researcher, Basque Center for Applied Mathematics 2016 – 2018
Forecasting energy and financial data; applied modeling for renewable energy projects.

Selected Projects:

- Electricity forecasting and trading optimization at Mutriku wave power plant with data from the Ente Vasco de Energía
- Portfolio risk management using time-varying models
- R package **tvReg**: development and maintenance

Education

Ph.D. in Statistics	University of Western Australia, 2006
Higher Diploma in Computational Methods	University College Dublin, 1998
B.Sc. in Mathematics	Autonomous University of Madrid, 1997

Languages & Interests

- Languages: Spanish (native), English (fluent), Danish (intermediate), Euskera (beginner)
- Interests: Surfing, Playing guitar, Hiking

Links

- [Download Academic CV \(optional\)](#)