

# Alejandro Jiménez Rico

Data Scientist

## Profile

Physicist forging a new path through Data Science.

## Contact

📍 London

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## Languages

Spanish (native) ██████████

Catalan (native) ██████████

English (ILR4) ████████

## Interests

### Professional

📊 Data Science

📈 Data Analysis

</> Machine Learning

☁ Big Data

📈 Quantitative Finance

### Personal

🎵 Music

🎮 Gaming

🎬 Cinematography

🖌 Graphic Design

🎓 Science

## Education

- **PhD in Actuarial Mathematics**  
Cass Business School, London. 2018 – Present
- **Master of Science in Data Science & Mathematical Modelling**  
Universitat Autònoma de Barcelona, Barcelona. 2017 – 2018
- **Master of Science in Financial Mathematics**  
Universitat Autònoma de Barcelona, Barcelona. 2016 – 2017
- **Bachelor of Science in Physics**  
Universitat Autònoma de Barcelona, Barcelona. 2012 – 2016

## Skills

●●●●●	R	●●●●○	TeX
●●●●○	SQL	●●●○○	Python
●●●●○	VBA	●●●○○	Spark
●●●○○	C, C++		

## Experience

- **PhD Researcher**  
CASS BUSINESS SCHOOL, London. March 2018 – Present
- **Data Scientist**  
SOCIALPOINT, Barcelona. February 2018 – July 2018
  - Created and presented models for time series forecasting.
  - Applied A/B testing and decision tree analysis to identify causes for lower-than-usual retention.
  - Created automatic dashboards that tracked many models' accuracies in a daily basis.
  - Conducted thorough exploratory analysis identifying patterns and seeking useful features for Machine Learning models.
  - All of the above was automated and beautifully wrapped up in pretty R Shiny Apps for more straightforward use.
- **Risk Analyst**  
CAIXA D'ENGINYERS, Barcelona. February 2017 – July 2017

In this experience in banking industry, I finally had the opportunity to my math and coding skills in real-world situations. During my time in this company, I managed to:

  - Apply mathematical methods in assessing risk indicators.
  - Handle large databases with limited computational resources.
  - Implement automatic scripts in order to deliver periodic reports faster and more accurately on tight deadlines.
- **Research Assistant**  
CSIC, Barcelona. February 2016 – September 2016

Participation in the 'CONNECTA' campaign, a research project focused in the study of the evolution of little crustaceans grub in the Mediterranean Sea. I have also helped in the development of simulation models involving the dynamic processes of internal waves over continental slopes.

Working with such unbelievable professionals helped me to understand the importance of being detail-oriented and rigorous with your projects. Furthermore, working in my own project told me how to pull the chestnuts out of the fire by myself in many situations; developing the tough skill of getting things done.