

Alejandro Jiménez Rico

Data Scientist

Profile

Physicist forging a new path through Data Science.

Contact

📍 London

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🌐 aljrico.github.io

🌐 linkedin.com/in/aljrico

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	●●●●○	LaTeX
●●●●○	SQL	●●●●○	Python
●●●●○	VBA	●●●●○	Spark
●●●○○	C	●●●●○	C++

Experience

- **PhD Researcher**
CASS BUSINESS SCHOOL, London. March 2018 – Present
- **Data Scientist**
SOCIALPOINT, Barcelona. February 2018 – July 2018
From the beginning of experience with this videogame company, I focused on developing data pipelines and models using R. Among other things, I managed to
 - Create and present models for time series forecasting.
 - Apply A/B testing and decision tree analysis to identify causes for lower-than-usual retention.
 - Create automatic dashboards that tracked many models' accuracies in a daily basis.
 - Conduct thorough exploratory analysis identifying patterns and seeking useful features for Machine Learning models.
 - Automate and beautifully wrap up all of the above in pretty R Shiny Apps for more straightforward use for management departments.
- **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 both in R and VBA 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 risk 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 developed the code - in Python - to establish data pipelines that simulated the dynamic processes of oceanic internal waves and analyzed the resulted data.
 - I helped in routine duties of data extraction, both computationally and hands-on in the boat, handling the machinery that measured the data in-time on the sea.Working with such unbelievable professionals helped me to understand the importance of being detail-oriented and rigorous with your projects.