Alejandro Jiménez Rico

Data Scientist

Profile
Physicist forging a new path through Data Science.

Contact

📍 London

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🌐 aljrico.github.io

in 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 beatifully 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 'CONECTA' campaing, 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 establsih 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.