MARIO MARTÍNEZ GARCÍA

PhD Student. Machine learning applied to health.

- First name: Mario
- Last name: Martínez García
- Citizenship: Spanish
- Date of birth: July 4th, 1997
- @ Email: mariomartgarcia@gmail.com
- Phone: +34 655 515 535
- in Linkedin: Mario Martínez ⌕
- GitHub: mariomartgarcia ⌕

EDUCATION

BSc in Physics
University of Murcia
Average mark: 7.79/10 | 3.12/4

📅 September 2015 - July 2019   📍 Murcia, Spain

- BSc dissertation: "Biomechanical study of the long jump - Application to the 2018 Birmingham World Indoor Athletics Championships".

BSc in Physics ⇄
University of La Laguna

📅 September 2017 - July 2018   📍 La Laguna, Tenerife, Spain

- Exchange programme between Spanish universities.

MSc in Data Science
Open University of Catalonia
Average mark: 9.27/10 | 3.71/4

📅 September 2019 - January 2021   📍 Barcelona, Spain

- Master's dissertation: "Feasibility study of a spectra-based classification of the Gaia Photometric Alerts". ⌕

PhD Student | Machine learning applied to Health
Basque Center for Applied Mathematics (BCAM)

📅 June 2021 - Present   📍 Bilbao, Spain

- Machine learning applied to health. Multi-objective optimization, privileged information and distillation.

EXPERIENCE

PhD Student - Researcher
Basque Center for Applied Mathematics (BCAM)

📅 June 2021 - Present   📍 Bilbao, Spain

Private Teacher
Freelance

📅 June 2014 - June 2021   📍 Alhama de Murcia, Spain

STRENGTHS

Data Analysis   Statistical Analysis
Modelling   Team work
Hard-working   Eye for detail
Machine Learning   Creative

SKILLS

Excel
Python
Latex
SQL
Tableau
R
Microsft Office

LANGUAGES

Spanish: Native tongue

English: C1 (2023)

French: Basic knowledge

AI RESEARCH INTERESTS

- Privileged Information
- Knowledge Distillation
- Sports, Health, Finance

COMPLEMENTARY COURSES

Multi-objective Optimization using Metaheuristics
BCAM

📅 Marzo 2022   📍 bcam.org

Machine Learning with Python
DataCamp

📅 August 2021   📍 datacamp.org

External practice. Biomechanics of the Locomotive System.
University of Murcia

📅 January 2019 - July 2019   📍 Murcia, Spain

PUBLICATIONS

R. Armañanzas, A. Díaz, M. Martínez-García and S. Mazuelas. Derivation of a Cost-Sensitive COVID-19 Mortality Risk Indicator Using a Multistart Framework ⬈. 2021 IEEE International Conference on Bioinformatics and Biomedicine (BIBM), Houston, TX, USA, 2021, pp. 2179-2186.

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Martínez-García, M., García-Gutierrez, S., Armañanzas, R., Díaz, A., Inza, I., Lozano, J.A. (2022). Learning a Battery of COVID-19 Mortality Prediction Models by Multi-objective Optimization ⬈. In: Michalowski, M., Abidi, S.S.R., Abidi, S. (eds) Artificial Intelligence in Medicine. AIME 2022. Lecture Notes in Computer Science(), vol 13263. Springer, Cham.

M. Martínez-García, I. Inza and J. A. Lozano. Learning a logistic regression with the help of unknown features at prediction stage ⬈ . 2023 IEEE Conference on Artificial Intelligence (CAI), Santa Clara, CA, USA, 2023, pp. 298-299.

CONFERENCES

The European Conference on Machine Learning (ECML)
Role: Attendee

📅 September 2021   📍 Bilbao, Spain

II Conference on Data Science and Artificial Intelligence
Role: Speaker

📅 May 2022   📍 Pamplona, Spain

39th National Conference of Statistics and Operational Research
Role: Speaker

📅 June 2022   📍 Granada, Spain

20th International Conference on Artificial Intelligence in Medicine (AIME)
Role: Poster

📅 June 2022   📍 Halifax, Canada

IEEE Conference on Artificial Intelligence (CAI)
Role: Poster

📅 June 2023   📍 Santa Clara, EEUU

Bilbao Data Science Workshop (BIDAS)
Role: Poster

📅 June 2022   📍 Bilbao, Spain

LXXV Reunión Anual de la Sociedad Española de Neurología
Role: Poster

📅 November 2023   📍 Valencia, Spain

Improving Deep Neural Networks: Hyperparameter tuning, Regularization and Optimization ⬈
deeplearning.ai

📅 November 2020   📍 Coursera.org

- -

Neural Network and Deep Learning ⬈
deeplearning.ai

📅 September 2020   📍 Coursera.org

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Data Science: Machine Learning ⬈
HarvardX

📅 Marzo 2020   📍 edx.org

REFERENCES

Prof. Héctor Espinos Morató
European University of Valencia
@ hector.espinos@universidadeuropea.es

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Prof. Antonio Guirao Piñera ⬈
University of Murcia
@ aguirao@um.es

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Prof. Jose Antonio Lozano
University of the Basque Country
Basque Center for Applied Mathematics
@ jlozano@bcamath.org

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Prof. Iñaki Inza ⬈
University of the Basque Country
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