



PhD. Aida Perramon Malavez

Nice to meet you! I am a lifelong learner, physicist, and enthusiastic reader with a strong passion for data analysis. My goal is to contribute to advancing knowledge in the healthcare sector to help improve lives within communities and beyond. *Think globally, act locally.*

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Soft skills: Empathy, interdisciplinary teamwork, leadership, decision-making, critical thinking, problem-solving, adaptability, public outreach and science dissemination

Hard skills: programming (*Python, R, MATLAB*), basic database handling with SQL, data analysis and visualisation, machine learning (supervised and unsupervised), healthcare analytics, time series analysis, mathematical modelling for applied research, scientific writing.

Relevant experience

Dec 2025 - present **Postdoctoral Researcher for RWE generation**
Erasmus University Medical Center (EMC)

- For the IHI GREG (<https://ihi-greg.eu/>) project.
- RWE to support better decision-making for regulators and Health Technology Assessment (HTA).

Jun 2025 - Dec 2025 **RWD Data Scientist**
Institut Català de la Salut (ICS)

- Management and export of Oracle and SQL databases for RWD studies.
- Survival and effectiveness analyses using R, including advanced epidemiological methods.
- Development of study protocols, indicator frameworks, and disease impact evaluations.

Sep 2021 - May 2025 **Associate Lecturer (under PhD programme)**
Universitat Politècnica de Catalunya | EEABB

- Taught *Physics I* for undergraduate students in different Engineering degrees.
- Directed final degree projects that were awarded honours for exceptional quality.

Jul 2022 - Oct 2022 **Summer Studentship (Planetary Health Informatics)**
University of Oxford | NDORMS

- Applied AI and descriptive statistics to analyse how environmental changes influence childhood health equity.

Jul 2020 - Sep 2021 **Research Support Technician (Epidemiology)**
Universitat Politècnica de Catalunya | BIOCROM-SC research group

- Conducted epidemiological and statistical analyses and modelling of infectious disease spread.
- **Placa Josep Trueta al Mèrit Sanitari 2022** to BIOCROM-SC for the contribution to healthcare.

Academic history

2021-2025 **Applied and Computational Physics**
PhD programme | Universitat Politècnica de Catalunya

- Data analysis of EHR, mathematical models for infectious disease forecasting.
- Led and contributed to survival analysis and treatment effectiveness studies in partnership with the *Healthcare Institute of Catalonia*.
- Participated in university governance bodies (Dept. Physics, EEABB)

2023 - 2025 **Bioinformatics and Biostatistics**
Master of Science | Universitat Oberta de Catalunya and Universitat de Barcelona

2020 - 2021 **Computational Biomedical Engineering**
Master of Science | Universitat Pompeu Fabra

2016 - 2020 **Engineering Physics**
Bachelor of Engineering | Universitat Politècnica de Catalunya

Granted an Erasmus + Apprenticeship at TUDelft, Delft, The Netherlands

