



The Institute of Data Science and Artificial Intelligence

University of Navarra

The Institute of Data Science and Artificial Intelligence (DATAI) is seeking applications from outstanding students with an excellent track record in Data Science and Artificial Intelligence to fill two (2) **PhD Fellow in Machine Learning for Digital Medicine** position(s). **The candidate is expected to successfully defend a PhD dissertation within 4 years from the hiring date.**

In the framework of the 2021 ANDIA funded project on Digital Medicine through AI (grant 0011-3947-2021-000023), a series of healthcare-related challenges in the field of personalized medicine will launch during the next five years. Digital Medicine is the big data subdiscipline of medicine, where data mining through machine learning techniques constitutes its core toolkit. The candidate is expected to develop new methodological approaches to mine these large datasets and produce statistical models able to help advance the future care of patients in both clinical and home settings.

The University of Navarra (UN) is a leading research university, consistently ranked among the top 500 universities in the world (Center for World University Rankings 2021). It is a private university, founded in 1952, with campuses in Pamplona, San Sebastián, Barcelona, and Madrid. Pamplona is a welcoming city with a great offer of leisure activities, shopping, and eating options, all aligned with the tradition and quality of the Navarrese products. Geographically, Pamplona is situated at the center of the province, which makes it very convenient to explore other interesting cities and resorts across the province.

We are looking for promising young researchers who hold a MSc degree in computer/data science or a related field, able to effectively communicate and present research ideas, with a high level of written and spoken English. Applicants are expected to contribute to the development of the research portfolio of the DATAI.

Qualifications

Essential Criteria

- MSc degree in Data Science, Artificial Intelligence, Computer Science, Statistics, or a related field.
- Demonstrated knowledge in machine learning techniques and mathematics.
- Good programming skills in Python.
- Ability to effectively communicate and present research ideas.
- Fluent in written and spoken English.

Desirable Criteria

- Previous research experience.
- Experience interacting with industry.
- Strong communication and interpersonal skills.



Job and Application Process

Position Description

- **PhD Fellowship in Machine Learning for Digital Medicine**
- The position is based at UN Pamplona's central campus. A hybrid virtual and in-person arrangement could be discussed.

Deadline

- **May 31st, 2023**

Information Required

1. Cover Letter with statement of interest and summary of career trajectory (2 pages maximum, in English).
2. CV with updated list of publications (if any) and previous research experience.
3. Transcripts of master's and bachelor's degrees.
4. One letter of recommendation.

Application Process

1. Applicants should submit the required information by email to رارمانانزاس@unav.es.
2. Selection of candidates based on CV.
3. Take-home test with deadline.
4. Round of online interviews.

Package Offer

- **Four years of contract supported by the Gobierno de Navarra, Departamento de Universidad, Innovación y Transformación Digital, under the program 2021 ANDIA, grant 0011-3947-2021-000023.**
- **Gross annual salary of 18-19 thousand Euros on average (yearly dependent).**
- **Opportunity to join a fast-growing research center to work on a socially impactful topic.**