AI FOR HEALTH

Evaluation of Applications & Datasets

The ahead Project

Bringing together global expertise to define **trustworthy AI that ensures quality healthcare for all**

Setting Standards for Trustworthy AI in Healthcare

While the use of Artificial Intelligence (AI) is on the rise, there remains a lack of consensus on standardised approaches for its responsible implementation

Our objectives

1 Build a **Transdisciplinary Community** for AI in biomedicine & healthcare with a dedicated training programme

2 To establish the **ahead Observatory** to continuously track the latest developments in AI within biomedicine and healthcare

3 To build a **Methodological Approach** for the Transdisciplinary Evaluation of AI applications in biomedicine and healthcare

4 To extend the existing testing and monitoring open-source platform **OpenEBench** (OEB) and customise it for transdisciplinary assessment of AI applications in biomedicine

Our methodology

Leveraging the collective expertise of the community, this project aims to pioneer a comprehensive methodology for assessing AI based systems that addresses all aspects of AI development, performance, and impact.

1 Technical level
2 Human interaction level
3 Societal level

Technical level

AI model performance and reliability are evaluated through accuracy, computational workload, speed, resource use, and energy efficiency.

Human interaction level

AI models are evaluated for usability and real-world performance, ensuring they are bias-free across demographics and remain understandable and user-friendly.

Societal level

AI in healthcare is assessed for its societal impact, including professional integration, patient experience and satisfaction, and environmental effects.

The pillars of our methodology

1 Fostering Collaboration and Building Shared Knowledge and Culture (Secondments)

2 Specialised Training for Community Members

3 Annual Workshops and Collaborative Initiatives for AI Assessment in Biomedicine and Healthcare

4 Collaboration in Software Development through Open source

Join the ahead community and help shape trustworthy AI in healthcare