

Introducing



Multi-Attribute, Multimodal Bias Mitigation in AI Systems

MAMMOth focuses on multi-discrimination mitigation for tabular, network and multi-modal data. The project intends to address bias in AI through the following objectives:

- Redefine bias on the basis of multiple (protected) characteristics instead of a single attribute.
- Create standardised AI solutions to address bias across all phases of the development of AI systems.
- Develop and advance new technologies to evaluate and mitigate AI bias.
- Ensure reliability, traceability and explainability of AI solutions in order to address different types of bias.
- Integrate and prototype bias-preventing AI solutions into an open source suite in order to increase their availability and deployment.
- Increase awareness and skills preventing AI bias and the uptake of the MAMMOth solutions by involving affected communities and stakeholders across Europe and worldwide.
- Advance the European approach to excellence in trustworthy AI.
- Study AI biases on use cases – providing insights on high-risk applications of bias, in finance, face recognition and research.

Expected impact

IMPACT 1: Increased availability and deployment of unbiased and bias-preventing AI solutions across a wide range of industrial and digital sectors through the MAMMOth toolkit.

IMPACT 2: AI-based solutions for enhancing digital equality and social inclusion for women, girls and other groups at risk of discrimination, such as ethnic minorities and the LGBTIQ community.

IMPACT 3: Increased involvement of underrepresented persons in the design, development, training and deployment of AI, as a means to contribute towards the solution of socially responsible AI.

IMPACT 4: Increased awareness, knowledge and skills on trustworthy, bias-free and socially responsible AI in the tech industry and scientific community.

Project partnership

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