



HAVE WE CONSIDERED ALL STAKEHOLDERS?



Keeping the many people affected by the AI model in mind and taking their experiences into account is more important than using a specific fairness metric to declare an AI model as fair.

Solutions to societal problems won't arise from turning flawed metrics into technical tools of control. Testing the fairness of an AI model by using fairness metrics should not be a way to "fairness wash" an AI but a self-critical process.

DEPLOYMENT & EVALUATION

When the AI model is not explainable, the public does not get a say. But fairness is about power sharing!

Explainable AI ensures that applicants receive an explanation of the decision. **Open sourcing** the algorithm for crowdsourced testing might help to bring in a variety of perspectives. Both are approaches for improving the algorithms' fairness.



4 HOW TO CREATE A FAIR ML AI SYSTEM?

Remember the AI development process from the first zine? Fairness has to be considered in every step. Find out how on the next pages!



CHALLENGE DEFINITION

Who is in charge? Who defines the challenges? Striving for AI justice means thinking about the lived experiences of groups whose lives are affected by AI. Choosing not to use AI should always be an option to prevent harm.



TESTING

It is not enough to test a model's accuracy; fairness also has to be considered.

Testing the AI system across a **wide range of scenarios and demographics** and **implementing intersectional testing protocols** to be aware of multipliers of disadvantage is an important step in developing fairer AI models.

DATA COLLECTION

Datasets have limitations and **lack diversity**. Collecting more and the right data - together with the people affected - is the best way. Also, there are technical ways of enlarging datasets: For example, reweighting (enlarging underrepresented groups in a dataset) or synthetic data (calculated guesses on missing data).

TRAINING

Models are usually build to be most accurate. What if we **told the model that fairness is also important?**

That could be done by incorporating fairness metrics into the training objective, such that the model optimises for both accuracy and equal treatment while learning.

