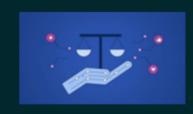
PROJECT POLICEN



Lili Takács **Budapest University of** Technology and Economics

CUSTOMER FEEDBACK LOOP

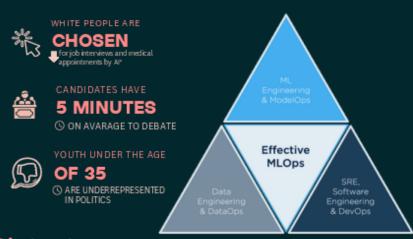
A STUDY CASE ON ALINCLINATION PREVENTION AND ON PROMOTING FAIRNESS.

Problems never stop; they merely get exchanged and/or upgraded. [...] "The solution to one problem is merely the creation of the next one."

MARK MANSON

Introduction

Independent politicians face significant challenges in parliamentary discussions due to their lack of access to party resources, research teams, and collaborative support. Moreover today politics has many problems worldwide. Women, young people (under 35) and people coming from lower-income or ethnical backgrounds are only some of who majorly people are underrepresented in most legislatures. Therefore in the end the question remains: How to make an Al model impartial, inclusive and as trustworthy as possible in order to be depandable?



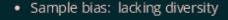
Abstract

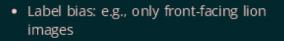


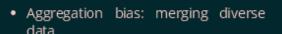
If there existed an Al-driven tool that would analyze parliamental speeches in real time it How to eliminate biases? could help independents bridge the resource gap and prepare more effective responses. This way they could engage in debates on footing with equal party-affiliated representatives and would make the political field more inclusive and representative of previously underrepresented groups people through giving a more fair chance of representatives with diffeerent backgrounds to make their voices heard.

Literature Review How do biases form in AI models?







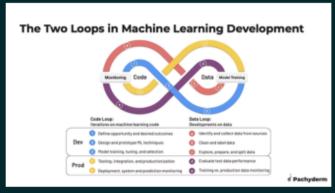


· Confirmation bias: favoring data that aligns with preexisting beliefs.

· Evaluation bias: unrepresentative data

Research methodology

The main focus of this study is centered around the topic of creating a debiased Al system for political discourse analysis and counterargument generation in order to enhance equity in political debate. To do this it is required to operate independently established power structures and human cognitive biases. How?



- Al Governance Tools
- Responsible Al Platforms
- MLOps
- LLMOps
- Data Governance Tools

Conclusion

Most IT professionals have the opinion that liminating bias from Al is impossible due to inherent societal, historical, and statistical biases in data and algorithms

the emergence of new biases even when others are mitigated.

the best approach might be to use ethical data, detect biases, test with neutral datasets, and continuously refine the model while ensuring diversity in development.

Other methods as using diverse, high quality, neutral data for example from Wikipedia are of high benefits.

Using existing bias reducing tools like Al Governance Tools, Responsible Al Platforms, Data Governance Tools, Machine Learning Operations, Large Language Model Operations, fine-, and prompt-tuning and combining retrieval systems with generative models in innovative new architectures and frameworks are all possibilities for developing the real time fact checking and political argumentation artificial intelligence tool in wich this study could be extended upon.

References

1. Drahl, C. (2023)" Al was asked to create images of Black African docs treating white kids. How'd it go?"NPR. Retrieved at August 22, 2024.

All other resources used by this study can be found under the link below:



Acknowledgements

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