Ethical Implications of AI: A Comparative Analysis of AI Policies and Recommendations for Applicable Improvements

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Abstract

This research paper presents an ongoing project aimed at identifying best practices and loopholes in existing and accessible AI policies across different countries and regions through comparative analysis. This project has a specific focus on promoting improvements in AI, especially for Low-Middle Income Countries (LMICs) and underrepresented groups, particularly in Africa.

This outlines the research objectives, the process for evaluating accessible AI policies to identify commonalities, strengths and weaknesses and actionable recommendations for better inclusivity and transparency.

1 Introduction

The increasing prevalence of artificial intelligence (AI) has raised ethical implications that must be addressed, especially how these advancements may affect underrepresented groups and citizens of Low-Middle Income Countries (LMICs). This is to ensure the development and deployment of algorithms that are responsible, explainable, transparent and inclusive.

By identifying best practices and loopholes through the comparative analysis of accessible AI policies across different countries and regions, the research can provide recommendations on how these policies can be improved in Africa.

You can find the work-in-progress by clicking here.

2 Methods

Here are the methods used for this project.

2.1 Review of Existing AI Policies

The research is currently in progress and open, starting with sourcing published and accessible policies online, a comprehensive review of these policies and strategy documents with the primary focus on the progress within African countries.

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2.2 Evaluation of Policy Offerings

The ongoing research involves an evaluation of AI policies across different categories, including healthcare, finance, education, transportation, agriculture, infrastructure, startups, tech ecosystem, data privacy and public rights protection and regulation on private and public AI solution providers.

Policy and strategy documents evaluated so far include Mauritius, Rwanda, Egypt, Uruguay, Canada, U.S.A and Peru.

By identifying these policy documents across these themes, we can find common characteristics and identify gaps within them.

2.3 Identification of Best Practices and Recommendations for Improvement

As part of the research, efforts will be made to identify best practices in these AI policy documents, especially within Africa and LMICs to understand better the effectiveness of these policies and how the development of future policies could be improved.

These recommendations will be focused on actionable steps to promote transparency, accountability, and inclusivity, ensuring that AI advancements benefit underrepresented groups in Africa and beyond.

3 Results and Discussion

As the comparative analysis is still a work in progress, the final results and discussions are yet to be presented. The research aims to compile the findings into a policy document that compares existing and accessible AI policies and provides insights into how they could be improved, all the while using an open approach.

This document will also highlight the strengths and weaknesses of AI policies across Africa, with a particular emphasis on measures that can foster AI advancements in AI in Africa.

Additionally, a dedicated website has been developed to showcase the ongoing research project. The website also contains relevant documents and summaries on comparative analysis and AI ethics. This can be accessed through this link. The website will eventually serve as a platform to educate the public about the importance and benefits of AI ethics, policies and privacy, providing access to the research findings once finalised.

4 Conclusion

This research project is a work in progress. It aims to contribute to the promotion of AI ethics by conducting a comparative analysis of accessible AI policy documents and providing actionable recommendations through open source and collaborative practices.

As the research progresses, the policy document and website will serve as valuable resources for policymakers, researchers and the general public.