Outline #2

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Topic : The Algorithm Bias in Artificial Intelligence

Outline.

1. Introduction

Thesis statement: Algorithm bias in AI has caused several negative outcomes in decision making and learning mechanisms through AI. The cause of AI algorithm bias is hidden in AI's data insertion and self learning mechanism. A diversified team and regulated data insertion are necessary to combat the issue.

2. What is meant by algorithm bias in Artificial Intelligence.

3. Causes of algorithm bias in artificial intelligence:
   a. Biased data insertion through different sources
   b. Self learning mechanism of Artificial Intelligence
   c. Measurement bias by AI - lack of complete data input
   d. Lack of transparency and explainability creating bias in results
   e. Historical and social biases reflected in data
   f. Human and cultural bias of developers
   g. Lack of continuous ethical oversight in AI systems.

4. Consequences of Algorithm bias in Artificial Intelligence
   a. Loss of oppurtunities for individuals : bias in AI tools for hiring and recruitment
   b. Lesser accuracy in healthcare research
   c. Reinforcement of gender bias through AI
   d. Racial and societal bias through AI

e. Impact of AI bias results on mental health and reinforcement of suicidal thoughts

f. Reduced accuracy in decision making - AI bias in judgement.

5 Solutions to algorithm bias in Artificial Intelligence

a. Regulated data insertion in AI systems

b. Comprehensive assessment of algorithmic bias before deployment

c. Inclusion of diverse participants in AI data development processes

d. Human oversight is necessary for AI systems

6. Conclusion