

# **Bias and Discrimination in Artificial Intelligence**

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Artificial Intelligence has transformed diverse sectors, yet it has also revealed significant challenges. Bias and discrimination have emerged when algorithms reproduce social inequalities. These issues have been studied extensively, as they influence justice, employment, and education.

Bias has appeared when datasets reflect prejudiced human decisions.

Discrimination has occurred when systems unfairly treat individuals based on gender, ethnicity, or socioeconomic status.

Researchers have emphasized that biased models perpetuate stereotypes and reinforce exclusion. Ethical frameworks have been proposed, and institutions have implemented regulations to mitigate these

risks. Transparency, accountability, and inclusive design have been promoted as essential strategies.

Artificial Intelligence has offered remarkable opportunities, but it has also demanded responsibility. Bias and discrimination must be addressed through continuous evaluation, diverse data, and ethical principles. If societies adopt these measures, technology will evolve more equitably and inclusively.

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