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Data preparation & ethics: How developers' values shape the dataset in Artificial Intelligence (AI) development

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Submission for Inspiring Minds

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Pınar Barlas

Data preparation & ethics: How developers' values shape the dataset in Artificial Intelligence (AI) development

Artificial intelligence systems build a model of a part of the world based on data. However, data preparation is one of the key ways that biases can infiltrate an Artificial Intelligence (AI) system. The harmful values underlying a dataset can become amplified and reinforced in the AI system, leading to outcomes such as wrongful arrests or employment discrimination against marginalized social groups. Research in the AI ethics field has focused on these problematic outcomes, but my doctoral research will examine how these datasets are prepared. By observing and talking to undergraduate students as they learn how to prepare datasets and AI teams as they put these strategies into practice, I will discover the true source of the problem of data bias.

Word count: 121