12-11-2020

How does AI affect Open Source Team Performance? An Exploratory Study

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Completed Paper

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Abstract

In recent years, Artificial Intelligence (AI) has become a key element in digital platforms for improving performance. Despite vast body of knowledge it is yet unclear on how AI can be successfully integrated to platforms and what are the key mechanisms that drive the performance in digital platforms such as open source. To investigate this phenomena I conducted a survey to understand the effects of AI on open source team performance. The analysis highlights the role of trust in driving open source team performance and suggests that designers need to pay more attention to cognition while designing AI technologies such as bots and recommendation systems.

Keywords: Open source, artificial intelligence (AI), team performance, trust.

Acknowledgements: This work was supported with the financial support of the Science Foundation Ireland grant 13/RC/2094.