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Authors

Liu, Mengsi

Kiyokawa, Sachiko

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Effects of Science Fiction on Creativity: A Meta-Analysis

Mengsi Liu
The University of Tokyo, Tokyo, Japan

Sachiko Kiyokawa
The University of Tokyo, Tokyo, Japan

Abstract

Creativity is essential for success in both social and professional settings, and science fiction has emerged as a potential tool for enhancing this ability. The present meta-analysis aimed to examine the effect of science fiction on creativity. A systematic literature search was conducted across diverse electronic platforms and databases, resulting in a final sample of five studies with robust methodological quality. The meta-analytic estimate of the overall effect size indicated a medium effect that was not statistically significant. However, the substantial heterogeneity observed among studies suggests that the influence of science fiction on creativity may vary depending on the context or study characteristics. These findings indicate that while science fiction shows promise for enhancing creativity, further research is needed to clarify the conditions and mechanisms that optimize its impact.

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