

The Human and Artificial Creativity - A Comparative Study

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Abstract

The progress of human history today is a result of the development of reason and science. This development is happening very quickly, making the seemingly impossible, possible. Artificial intelligence (AI) stands as a significant achievement in this trajectory. AI can be defined as a method of designing computer programs and inputting them into a computer, through which a machine is made to think and act. In this advanced technological era, the development of AI has gone through many stages and is moving on a new path. This growth has inevitably created some ethical challenges. AI helps machines perform human tasks without human assistance and is increasingly influencing all fields such as education, business, medicine, entertainment, agriculture, transportation and spirituality. While AI is bringing about remarkable changes in various sectors, there is a fear that it might weaken or surpass human creativity. It is this creative ability that distinguishes humans from other beings. Many criticisms are being raised that AI has taken control of even that. Although its new creations are accurate and immense, the question arises whether they exceed the boundaries of traditional or human creativity. This situation, which has impacted creators, needs to be examined. Therefore, this study is a comparative analysis that critically examines the definitions of human and artificial creativity and the similarities and differences between them. It attempts to clarify the distinction between machine-generated artificial creativity and human creativity, their strengths and weaknesses, and the relevance of the aforementioned fear.

Keywords: human creativity, artificial intelligence, cognition, consciousness, emotions