

AI in Research: A Double-Edged Sword

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It has been stated that, alongside all the support we receive from AI, career insecurity represents an important threat. It has also been noted that training could help improve this situation [1]. Vallverdu et al. stated that the effects of bias, risk, and responsibility must be considered when applying AI [2]. AI is a gift to human communities that brings both positive and negative consequences. Without appropriate legal frameworks, it is difficult to determine whether AI will improve human life or create additional challenges. This revolution in human life could place a complicated path toward the future before us if we unleash this human-made creation without adequate safeguards. Now adays, universities are witnessing the misuse of AI in research. There is only a narrow distance between the appropriate and inappropriate use of AI assistance in research. However, our experience with different research projects shows that it is not always easy, particularly for young and less-experienced researchers, to distinguish between the acceptable and unacceptable use of AI throughout the research process. In recent years, the speed of AI adoption in different aspects of human life has not been proportionate to the level of understanding and awareness of AI within human societies. This problem may encourage the

inappropriate use of AI. It is anticipated that the extent of AI use will increase rapidly over the coming years. Therefore, human communities should prepare themselves to become empowered to confront unpredictable consequences, some of which may be unavoidable. How can this be achieved? First, we need to increase public knowledge about the nature and capabilities of AI in assisting with different aspects of human life. Second, we should improve public attitudes toward the application of AI in human life. A positive and informed attitude may help people develop appropriate trust in AI. We should recognize that AI does not necessarily threaten human life, including employment, when it is used appropriately. Third, appropriate frameworks based on ethical considerations should be defined and established for applying AI in different areas of human life, including research. The use of AI in research is, in some ways, more important than its use in other areas of human life. This is because research projects have contributed to the development and improvement of AI over the past several years. In other words, research has been one of the main methods through which AI has been developed. If what we create through research now becomes a threat to the future of research, this may

weaken the power of research itself. Therefore, AI must be used in research through an appropriate and responsible approach.

On the other hand, unrestricted AI use may damage human creativity, and THE RACE HAS ALREADY STARTED! All of us, including the Committee on Publication Ethics (COPE), should accelerate our efforts in research area.

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