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Artificial Intelligence in Brain and Mental Health: Philosophical, Ethical & Policy Issues

- Provides a multidisciplinary and comprehensive analysis of the philosophical, ethical, and policy implications of AI
- Examines existing ethical challenges and regulatory gaps that could hamper the development and implementation of AI
- Marks an important milestone in the public understanding of the ethics of AI in brain and mental health

This volume provides an interdisciplinary collection of essays from leaders in various fields addressing the current and future challenges arising from the implementation of AI in brain and mental health. Artificial Intelligence (AI) has the potential to transform health care and improve biomedical research. While the potential of AI in brain and mental health is tremendous, its ethical, regulatory and social impacts have not been assessed in a comprehensive and systemic way. The volume is structured according to three main sections, each of them focusing on different types of AI technologies. Part 1, Big Data and Automated Learning: Scientific and Ethical Considerations, specifically addresses issues arising from the use of AI software, especially machine learning, in the clinical context or for therapeutic applications. Part 2, AI for Digital Mental Health and Assistive Robotics: Philosophical and Regulatory Challenges, examines philosophical, ethical and regulatory issues arising from the use of an array of technologies beyond the clinical context.

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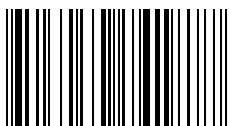
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