

Deep Learning in Health Sector: Overview, Challenges and Future

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Abstract: *With greater access to multimodality data, the role of data analysis in health informatics has grown quickly over the past decade. This also led to an increase interests in producing analysis, process data models based on machine learning in health data. In-depth learning, a basic approach to practice neural networks, emerging in recent years powerful a for machine learning tool, which promises to reshape the future artificial intelligence. Rapid improvements in computation power, fast data retention, and compliance have contributed in the rapid adoption of technology in addition its predictive power and automated production capability advanced features and semantic translation from input data. This article introduces a comprehensive review a review of research that uses in-depth health learning informatics, which provides critical analysis of related qualifications, and the potential pitfalls of the strategy and its future vision. The paper is very focused on the important use of in-depth study in the fields of translation bioinformatics, medical photography, full hearing, medical information, and public health.*

Keywords: Bioinformatics, deep learning, health informatics, machine learning, medical imaging, public health, wearable devices.

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