

Smart Medicine

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Abstract

WHO defines "eHealth is the use of information and communication technologies (ICT) for health. The eHealth unit works with partners at the global, regional and country level to promote and strengthen the use of ICT in health development, from applications in the field to global governance. The unit is based in the Department of Service Delivery and Safety in the Cluster of Health Systems and Innovation". In recent years, the rapid evolution of artificial intelligence (AI) has accelerated the development of smart medicine. The speaker, Prof. Lin Bor-Shing, will first briefly introduce the concepts of AI, including convolution neural networks (CNN), recurrent neural network (RNN), supervised learning, unsupervised learning, reinforcement learning, and generative adversarial network (GAN). Next, he will take the research results of his own intelligent assistive devices and AI diagnosis in rehabilitation projects as examples, to let the audience have a more practical understanding of intelligent medical care and future developments.

Keyword: eHealth, smart medicine, artificial intelligence, convolution neural network, recurrent neural network