

Review of: "[Commentary] The Pursuit of Healthcare by AI: Thoughtful Delivery Needed"

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Potential competing interests: No potential competing interests to declare.

I will leave here some clarifications/comments if you might consider them helpful in improving the article.

Adding more references can benefit the paper in delivering ideas with more authority.

AI is not technically *only* Machine Learning. Despite Machine Learning being at the core of recent advancements, the term Artificial Intelligence prospects a broader range of topics and subjects. Furthermore, it has not been a niche branch in Computer Science, but the world has met its value only in recent years. We can state that in particular Deep Learning (a branch of Machine Learning) is one of the most powerful tools in ML, but it requests a lot of computation and a huge amount of data. With recent developments in designing CPUs and GPUs, the computational burden has been mostly overcome. A game-changer in DL has been the release of AlexNet, a Deep Convolutional architecture, in 2012 (<https://proceedings.neurips.cc/paper/2012/file/c399862d3b9d6b76c8436e924a68c45b-Paper.pdf>). Now the main challenges are in pure research for improving current techniques, creating good quality datasets for applications, and democratizing the use of AI. All these topics concern the medical domain.

For the fourth paragraph, I would advise the authors to read about Federated Learning if interested. It is an ML research field that addresses the problem of privacy, enabling a distributed learning process, a topic that concerns particularly the medical domain.