

The Human-AI Partnership in Navigating the Future of Healthcare

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Problem Introduction:

An important part of the revolutionary change coming to the healthcare business could be artificial intelligence (AI). However, big problems need to be solved before AI can fully be used in healthcare.

Imagine that AI systems help doctors find out what's wrong with patients faster, predict how they will do it more correctly, and tailor their care to each individual patient. Doesn't it sound good? That being said, there is an opposite. A lot of people are worried about data protection, how easy it is to understand AI-made decisions, and the need for clear laws to protect patients' well-being.

In order to keep patients safe, private, and fair, the main question is how to use AI to improve healthcare.

This is the main question in our work!

The goals are: Getting to Know the Healthcare AI Landscape Look closely at how AI is being used in healthcare right now to understand the range of benefits and challenges, from diagnosis tools to therapy suggestions.

Getting Past Technical Problems to find the technical issues that are stopping AI from being widely used. These could include biases in algorithms, issues with data compatibility, and the black box problem of how AI makes decisions.

Look into the moral, legal, and social effects of using AI in healthcare. Remember to think about things like getting permission from patients, keeping data safe, and making sure AI systems are fair and unbiased.

Building Bridges to AI Adoption: Make suggestions on how to get around the problems that are stopping AI from being widely used. For example, suggest strong legal frameworks, rules for the smart use of AI, and ways to make sure that everyone is responsible and that everything is clear.

To be sure that AI is really making people's lives better, look at how AI-driven healthcare treatments affect patient outcomes, healthcare processes, and differences in who can get care.

Not only do we want to find the problems, but we also want to show how AI and people can work together to change healthcare in the future.

Review of the Written Works: Despite the study's promise, further research on AI in healthcare is necessary. AI has the ability to completely change health care, but there are still problems with data quality and moral issues.

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