Research on the Application and the Ethic Problems of Artificial Intelligence Technology in Eldercare

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二. 成果简介：

This research focuses on the eldercare problems of elderly people who have retired or have limited mobility. The development of Artificial Intelligence technology has brought more and more functional conveniences to the elderly, especially in physical and psychological assistance. Nevertheless, it also brings a series of ethical problems beyond the legal constraints. We are committed to finding measures to solve these problems and have a sustainable reference for the development and application of Artificial Intelligence in eldercare.

三. 主要研究内容及创新点：

The full text research ideas show as Fig1. In this study, we reviewed the development of Artificial Intelligence in eldercare and knew that are offering eldercare the potential advantages for innovative solutions, computer vision, spanning areas such as sensing and sensory perception, smart homes, smart cities, robotics and human-machine interaction. At the same time, ethical and legal issues for AI application in eldercare are increasingly being reported as a social concern. This article updates and analyze the AI application forms for elder people by benchmarking companies all over the world (Fig2) , numerating their different functions in assisting old people's daily life. Ethical problems, such as the control authority, responsibility, false information, privacy and self-esteem, and the social well-being for the elderly, are conducted. In view of the numerous ethic problems arising from the application of AI technology, suggestions are proposed for better understanding and implementation of AI technology. This research pays more attention to the long-term problems of AI for the elderly, and more comprehensively elaborates the inner meaning of artificial intelligence elderly care ethics, in order to prevent and improve possible development directions.

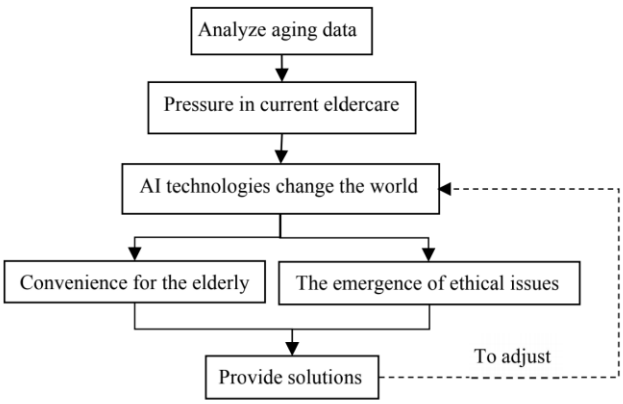


Fig 1 Full text research ideas

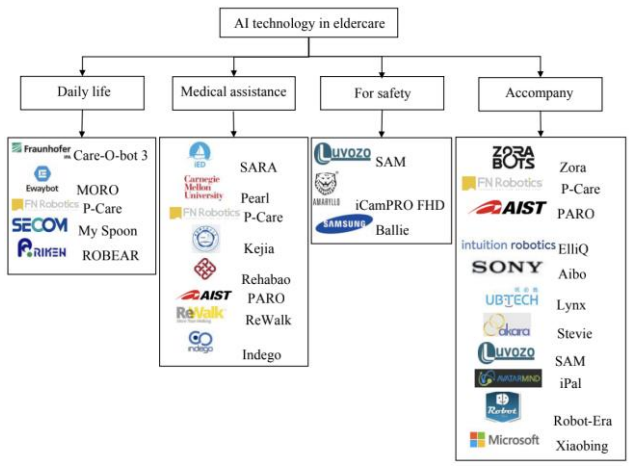


Fig 2 The application of AI technology in eldecare

四. 主要研究成果及应用情况

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