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THE USE OF ARTIFICIAL INTELLIGENCE FOR COLLECTING DATA ON THE INTERNET AND ITS STATISTICAL ANALYSIS

The use of intelligent computing methods has been growing over the years. It is now prevalent across different fields of data analysis and AI chat bots, to use the generative AI for creating texts, images, videos and music. There are also more researches of the viability of AI in other fields, and preferred methods of intelligent computing for specific tasks.

One such field is the use of AI for data collecting. AI is particularly useful for data collection from the internet, as it can be capable of web crawling, link and content analysis and more. The existing researches show, that there are many challenges in the development of the algorithms and methods for the collecting of data from multiple diverse datasets. Some of the challenges in this regard fall under the category of data quality and include ensuring that the data used is relevant, which is crucial in constantly changing landscapes; diverse, to avoid bias; as well as ensuring data security.

Another important problem is the use of AI for data analysis. This encompasses both current and potential using of AI methods across most of the fields. The intelligent computing has already shown its effectiveness with the tasks that are time consuming or repetitive for staff. It has been shown, that through the use of machine learning, deep learning techniques and natural language processing, AI is able to analyze large quantities of data, extract valuable information, identify patterns and make predictions based on available data. The challenges in this case

once more include ethical considerations such as privacy, security and diversity, as well as transparency of the algorithms used, their interpretability and explainability.

In conclusion, the use of intelligent computing is likely to keep growing, with extensive research being done in terms of both applying the AI technologies to the new fields, as well as improving the existing systems and overcoming known challenges.