

Ethical Practices

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In the ever-expanding digital landscape, where data is constantly flowing across networks, data ethics has become a critical area. As technology continues to permeate every aspect of our lives, from healthcare to finance and beyond, the responsible collection, use and analysis of data has become paramount. The proliferation of data-driven technologies, such as artificial intelligence, machine learning and big data analytics, has highlighted the importance of ethical considerations in the use of data. From ensuring data privacy and security to mitigating bias and promoting transparency, ethical data management practices are essential to building trust and fostering innovation.

Ethical Considerations in Automated Healthcare App

The automated healthcare application, designed to help patients with diabetes, raises some ethical questions. will explore the ethical dimensions of the Automated Healthcare App, considering laws and regulations, ethical accountability, impact on legal rights and privacy, data availability and validity, identification and mitigation of biases, and model transparency and interpretation of results.

Laws and Regulations

The General Data Protection Regulation (GDPR) is the toughest privacy and security law in the world. Though it was drafted and passed by the European Union (EU), it imposes obligations onto organizations anywhere, so long as they target or collect data related to people in the EU. GDPR ensures that patient information is collected and processed ethically. Adherence to such regulations is crucial for safeguarding patient privacy in the app.

Ethical Accountability

Ethical accountability is achieved through transparent data processing practices and compliance with legal regulations. In the case of AUTOMATED HEALTHCARE APP,

transparency, in this sense, does not always mean that users have the last word on company policy, but it does involve them in the process. I believe that Charlie's objectives, means can, and must be made transparent to individual users, as information and consent is very important for customer trust.

Impact on Legal Rights, Privacy, and Anonymity

Ethical data availability means obtaining data by legal and transparent means. Rigorous validation processes, including data quality assessments, are essential to ensure data validity. This ensures that the data used in the application is appropriate and valid for its intended use.

Data availability and validity

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Data bias and misinterpretation

Data biases and misinterpretations of results can distort outcomes and affect treatment recommendations. Techniques such as bias audits, and diverse representation in data collection and analysis can help to identify and minimize bias, ensuring fairness and accuracy.

Model transparency and interpretation of results

Model transparency is crucial for users to understand how decisions are made. Clear documentation of algorithms, data sources and decision-making processes improves transparency.

In navigating the ethical dimensions of automated healthcare application, compliance with laws and regulations, promoting ethical responsibility, protecting patient rights and privacy, ensuring

data availability and validity, combating bias and improving model transparency are essential aspects for responsible and ethical development. deployment of healthcare technologies.

Importance of Data Selection

In his 2018 article, Gelman argues that data selection is the most critical aspect of statistical analysis. This section examines the quote, considers the inclusion of personal worldview in the analysis of statistical data, and reflects on whether one can or should put aside one's worldview when analyzing statistical data. data.

Importance of Data Selection

In line with Gelman's quote, the choice of data profoundly influences statistical results. The selection of relevant, representative and unbiased data is crucial for valid and reliable statistical analyses. Data quality determines the integrity and credibility of the analysis.

Inclusion of personal worldview

Personal worldview, including religious perspectives such as Christianity, can inform ethical decision-making regarding statistical analysis. For example, Christian values can guide decisions regarding justice, fairness and transparency. Integrating these values can lead to more ethical and socially responsible analyses.

Putting aside worldview

Although complete neutrality may prove difficult, it is necessary to strive for objectivity in statistical analysis. However, being aware of one's worldview is crucial to mitigating bias. Finding a balance between impartiality and recognition of personal values ensures ethical and rigorous data analysis.

Gelman's quote highlights the centrality of data selection in statistical analysis. Recognizing the influence of personal worldview on data analysis and balancing objectivity and ethical considerations contribute to responsible and meaningful statistical interpretations. As data science evolves, the ethical foundations of data selection and analysis become increasingly essential for the benefit of society.

In conclusion, data ethics serves as a moral compass guiding the responsible use of data in a rapidly evolving digital landscape. The continued evolution of technology requires a proactive approach in developing and adapting ethical frameworks that not only keep pace with technological advancements, but also set the standards for responsible data practices. To navigate the complex intersections of data and ethics, a commitment to respecting fundamental human rights and fostering a culture of ethical awareness is essential. By upholding ethical principles in the use of data, we are paving the way for a digital landscape that not only thrives on innovation, but also promotes trust, inclusiveness and the improvement of society as a whole.

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