

Overview

This standard is about applying data ethics to data activities.

A data ethicist evaluates the societal impact of technology and data, offering actionable recommendations for data professionals within the organisation. This encompasses considerations of fairness, accountability, legal compliance, moral quandaries, and risk assessment in the utilisation of data, and the development of data-driven products and services.

They advocate for the integration of data ethics throughout the organisation, elucidating and raising awareness of ethical issues. This entails providing comprehensive guidance on ethical data practices and facilitating the adoption of best practices. They formulate and implement ethical guidelines, advising data professionals on the practical application of ethical principles and providing training and awareness on the responsible utilisation of data, analytics, and artificial intelligence (AI) across the organisation

This standard is for those who need to apply data ethics to data activities as part of their duties.

Performance criteria

You must be able to:

1. promote awareness of the significance of data ethics in line with organisational requirements
2. effectively communicate ethical issues in a manner that resonates with both technical and non-technical audiences
3. conduct rigorous evaluations of the societal impact of data and digital technology adoption within the organisation
4. develop guidance on the ethical utilisation of data, analytics, and AI in line with organisational standards
5. implement training initiatives to instill awareness of ethical boundaries among all data users regarding data collection, storage, processing, and sharing
6. continuously monitor data models in production to identify and address potential biases, ensuring fairness and ethical integrity to improve outcomes
7. assess the organisation's approach to citizen and employee privacy management, advocating data anonymisation and bias prevention in line with organisational standards
8. provide strategic advice on enhancing data models to eliminate potential biases and promote fairness
9. oversee the adherence to data usage policies and procedures, verifying compliance with organisational standards and regulatory requirements
10. contribute to the development and implementation of robust data ethics policies, procedures, and best practices framework

Knowledge and understanding

You need to know and understand:

1. the fundamental principles governing the ethical utilisation of data, analytics, and AI, and their application in workplace data processing contexts
2. the need to raise awareness of data ethics issues throughout all levels of an organisation
3. how to advocate the strategic importance of upholding ethical standards in data usage within the organisation
4. how to support data users by elucidating their roles and responsibilities concerning ethical data usage and accountability
5. how to provide practical guidance and training aimed at enhancing data usage and analytics, including the identification and mitigation of unsafe or unethical practices
6. how to monitor data models to identify potential biases and ethical concerns, maintaining integrity and fairness
7. the steps involved in implementing a systematic approach to monitoring data ethics performance for continual improvement
8. the main data ethics challenges and how to develop effective strategies to mitigate their impact
9. the core principles of AI ethics and safety, to maintain responsible deployment and usage
10. how to assess the societal impact of data and digital technologies, including their broader impacts on communities and stakeholders
11. pertinent data privacy and protection legislation and codes of practice
12. the steps involved in developing data ethics policies, procedures, and best practice frameworks, and their practical application within organisational contexts
13. how to maintain the organisation's compliance with ethical standards and regulations governing data usage and management
14. the importance of staying abreast of emerging trends, standards, and regulations in the field of data ethics to inform organisational practices and policies

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