Due Jun 13, 1:59 PM +07

Graded Quiz • 30 min

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1.	Why is corporate governance important when thinking about ethical considerations for the development of data- driven technologies?
	It binds the employees in a moral code that limits the kind of actions they can engage in.
	It provides an accountability framework for stakeholders of the organization to prevent ethical violations.
	It helps the organization have a document to point towards in case an ethical violation occurs.
	It helps the organization showcase to its customers that it has ethical guidelines.
	 ✓ Correct Governance helps the organization make ethical decisions.
2.	Which of the following would be the most beneficial stage to hold ethical risk reviews for a new project that your team is undertaking?
	O Development
	O Deployment
	Conception
	O Design
	○ Correct An ethical risk review has the biggest impact when it is done in the earliest phase of the project.
3.	Which of the following is NOT a common consideration when looking at the major ethical frameworks?
	○ Transparency
	O Security
	O Privacy
	• Humanity
	 Correct This may sometimes manifest as a consideration for human rights but is often not included in major ethical frameworks

Which of the following is an ethical benefit of incorporating fair competition considerations in a data-driven technology ecosystem?	1/1 point
Encouraging product or service differentiation	
Accelerating investments in research and development	
O Lowering product and service costs for the users	
O Consolidating products and services under a single organization	
 Correct The constant innovation that comes with fair competition is an ethical benefit. 	
6. Which of the following principle sets are important for the creation of open data that is widely utilized?	1/1 point
FAIR	
O ISO 27001	
O ISO 27017	
O FATE	
 Correct This set of principles enables cross-utilization of data that is standardized. 	
5. Which of the following is a misuse of intellectual property (IP) when it comes to ethical accountability for an organization?	1/1 point
Collecting returns on investments made in research and development.	
Filing a patent for the IP that makes non-obvious information known to the public.	
Using IP as a defensive mechanism to eschew transparency requirements.	
Enhancing the security posture of a product or service.	
Correct Organizations can reveal the inner workings of a system for audit purposes without sharing trade secret IP shouldn't be used to block the inquiry into the operations of a system to determine, for example, the fairness of a system.	s;
 Which of the following is an ethical risk if there is non-compliance with legal and regulatory requirements with jurisdiction? (Select two). Lack of transparency 	nin a 1/1 point

Correct

	In jurisdictions where it is a requirement to empower the users to ask about how their data is being used, this is an ethical risk in terms of discrimination, privacy, etc.	
	✓ User discrimination	
	 Correct This is an ethical risk, as it can cause disproportionate harm, especially for vulnerable people. 	
	Loss of profits Reputational harm	
8.	Which of the following best explains why there is an emphasis on including human rights in the major ethical frameworks?	1/1 point
	O They help to provide an anthropocentric frame for the ethical considerations.	
	They are universal and provide scaffolding for all other ethical considerations.	
	They help to satisfy legal and regulatory requirements and make the product compliant in the local jurisdiction.	
	They allow an organization to deliver its products and services in a larger number of markets.	
	Correct Being adherent to human rights helps make an organization more likely to be compliant with other ethical considerations like privacy, non-discrimination, etc.	
9.	Why are environmental concerns important to consider in the ethical development of data-driven technologies?	1 / 1 point
	Data-driven technologies can cause secondary, indirect, or cumulative effects on the environment that might impact people in the long term.	
	O Data-driven technologies directly impact the environment through the invasive mining of resources to create the technologies.	
	O Data-driven technologies directly impact the environment through pollution.	
	O Data-driven technologies directly impact living things via displacement.	
	Correct The potential long-term and wide-reaching environmental impacts need to be considered as part of an ethical practice in data-driven technologies.	
10.	Which of the following presents the most important argument for why we need to consider the impact of AI on labor in the design, development, and deployment of data-driven technology?	1/1 point
	O There is still a need for human workers in human-in-the-loop mechanisms.	
	O There may be an impact on worker productivity if they are not included in all phases.	

- There might be potential labor rights and human rights violations.
- The organization would like to avoid having to deal with union concerns.

⊘ Correct

These are the most important ethical considerations to take into account.