

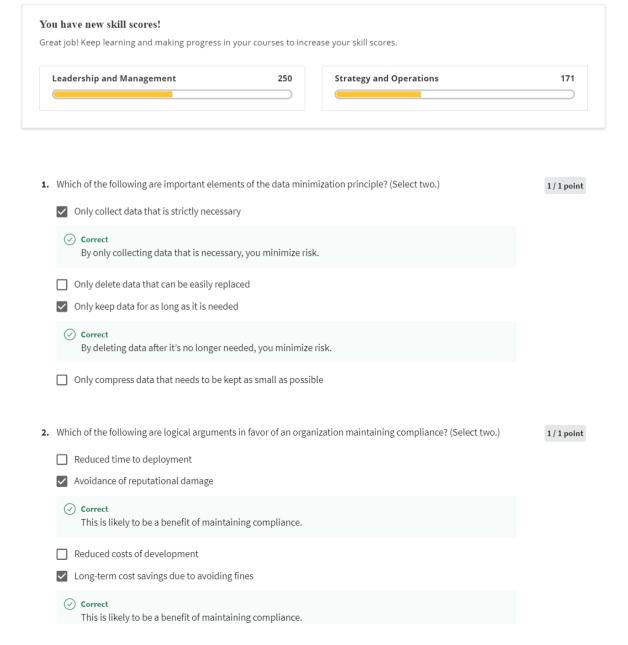
Graded Quiz • 30 min

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3.	How does increasing AI performance often conflict with the desire for explainability?	1/1 point
	Increasing AI performance sometimes leads to greater model complexity, making it more difficult to explain decision-making processes.	
	O Increasing AI performance sometimes reduces the transparency of input data used in training, making it more difficult to explain decision-making processes.	
	O Increasing AI performance sometimes leads to certain evaluation metrics no longer being useful, making it more difficult to explain decision-making processes.	
	O Increasing AI performance sometimes removes human-in-the-loop (HITL) methods, making it more difficult to explain decision-making processes.	
	Correct Although not guaranteed, increasing performance does sometimes lead to greater complexity, which can reduce an Al's explainability.	
4.	Which of the following explains why efficiency can sometimes incur systemic fragility?	1/1 point
	O Increased efficiency tends to compound over time	
	O High-efficiency machines often require more maintenance	
	O Increased efficiency tends to create cost savings	
	Efficiency benefits may lead to complex second-order costs	
	 Correct The generation of second-order costs is a common by-product of efficiency that can lead to systemic fragility. 	
5.	Which of the following are possible benefits of a human-in-the-loop (HITL) architecture? (Select two.)	1/1 point
	☐ Eliminating the potential for human error in decision making	
	☑ Balancing the negative effects of an AI system on people with the effects on environments and objects	
	○ Correct This is unlikely to be a benefit of HITL.	
	☐ Improving the speed of autonomous decision making	
	Mitigating excessive scope or potential collateral damage	
	 Correct HITL architecture can help identify and address issues of scope and the potential for collateral damage. 	

6.	How does the "virtuous cycle" that benefits Big Tech operate?	1/1 point
	Data-driven algorithms improve solutions, leading to new customers, and better data.	
	O By acting virtuous, the public respects Big Tech more and more.	
	O Better classes of customers lead to richer and more refined data for algorithmic systems.	
	Organizations write algorithms with fewer biases, which leads to fairer outcomes.	
	Correct This is how the virtuous cycle of Big Tech operates, which can lead to a concentration of power.	
7.	Which of the following is often in opposition to moral relativism?	1/1 point
	Evidence-based policy	
	O Subjective perspectives	
	Customs and conventions	
	Cultural mores	
	Correct Evidence-based policy often conflicts with moral relativism because the desire to be sensitive to each relative culture can sometimes eschew more objective approaches to addressing ethics.	
8.	Which of the following are important aspects of resolving complex and confounding business pressures? (Select two.)	1/1 point
	☐ Prioritizing ethical and safety concerns over business desires in all cases and situations	
	Managing expectations that not everyone can get what they want, when they want it	
	Correct The reality is that not all expectations can be met, and some compromise will therefore be necessary.	
	Assuring everyone that their desires can be accommodated without compromise	
	☑ Engaging with multiple stakeholders to understand their particular needs	
	 Correct You must understand stakeholder needs before you can begin to reconcile any ethical conflicts involving those needs. 	
9.	You plan on streamlining your company's product experience, but you also want to uphold the agency and autonomy of your users. Which of the following actions would uphold these principles? (Select two.)	1 / 1 point
	☐ Enabling government agencies to have a personalized interface with software	

Refraining from guiding users into something they didn't wish for or intend	
Correct This helps to uphold both agency and autonomy in the context of streamlining the product experience.	
 □ Applying machine intelligence to simulate customer behavior ☑ Respecting the right of the user to choose and customize their experiences 	
Correct This helps to uphold both agency and autonomy in the context of streamlining the product experience.	
10. Which of the following describe corporate hegemony? (Select two.)	1/1 point
 □ Spending large sums on corporate branding and marketing ☑ Consolidating interests through mergers and acquisitions 	
 Correct This is a common component of corporate hegemonies. 	
✓ Locking out smaller players, leading to monopolies or cartels	
 Correct This is a common component of corporate hegemonies. 	
☐ Making multiple investments in a similar space to improve the outcomes of success	