	4/0.4 points
	hich of the following emerging AI concerns was explicitly discussed in Lecture 5 as part of ethical AI governance? nt: Think about GDPR, CCPA, and similar privacy regulations.
0	Reducing the power consumption of GPUs in Al training
	Quantum computing's impact on AI models
	Privacy breaches due to generative Al
0	Al's role in cryptographic security
2 0.	4/0.4 points
W	hich of the following best describes the primary goal of AI in fairness metrics?
	To increase the computational efficiency of models
	To ensure AI models achieve higher accuracy
<b>\</b>	O To mitigate bias across different demographic groups
0	To prevent adversarial attacks in LLMs
3 0.	4/0.4 points
W	hich AI governance framework was mentioned in Lecture 5 as an example of corporate AI ethics initiatives?
	EU AI Act Compliance Framework
	OpenAI's Alignment Committee
	Google's "Al First" initiative
_ ~	O IBM's AI Ethics Board
0.4	/ 0.4 points
In a	fairness-aware Al pipeline, which of the following is an example of an in-processing technique?
Hin	t: In-processing means modifying the model during training.
	Removing biased samples before training
	Post-processing to adjust model decisions
	Re-weighting input training data
~	Adversarial Debiasing during model training
0.4	/ 0.4 points
Give	en a Transformer-based model, which of the following modifications would best reduce bias in its out s?
Hin	t: Think about fairness-aware ML strategies.
$\bigcirc$	Using dropout layers to prevent overfitting
~	Applying re-weighting strategies to training samples
0	Increasing the number of training epochs

6 0.4/	1.4 points
Cons	der the following pseudo-code for a simple bias aware decision-making system:
	sitive_feature in input_data:
	st_weight(input_data) ion = model.predict(adjusted_input)
else: deci:	ion = model.predict(input_data)
Whic	h fairness strategy is being applied here?
Hint:	Adjusting input features for fairness relates to this method.
O A	dversarial Debiasing
E	qualized Odds Enforcement
~	Disparate Impact Mitigation
0	ounterfactual Fairness
04/	1.4 points
	language models (LLMs) like BERT are prone to which of the following ethical risks?
	Ethical concerns go beyond just bias.
	nability to perform fine-tuning on new tasks
	Hallucination and generating misleading information
) F	eduction in computational efficiency
) A	utomatic reduction of bias due to large-scale training
) B	utonomy eneficence ustice Fairness
	1.4 points
	I Fairness 360 (AIF360) toolkit provides various bias mitigation techniques. Which of the following is NOT a method mentioned in Lecture 5?
) A	dversarial Debiasing
<b>~</b>	Explainability through SHAP
	isparate Impact Removal
_ E	qualized Odds Post-processing
0.4/	
	der the following Python snippet related to bias mitigation. What does it likely implement?
ΓW =	aif360.algorithms.preprocessing import Reweighing Reweighing()
	formed_data = rw.fit_transform(dataset)
Hint:	The method comes from AIF360's set of fairness algorithms.
_ A	way to reduce overfitting in neural networks
	way to reduce overfitting in neural networks reinforcement learning approach to bias correction
_ A	