grade 100%

Understanding Data for ML

LATEST SUBMISSION GRADE

100%				
1.	Which of the following are sources of data that can be used for machine learning? (click all that apply) Readings from sensors such as temperature, pressure, pH monitors, etc.	1/1 point		
	✓ Correct Correct! Well done!			
	Government data such as census results.			
	✓ Correct Correct! Well done!			
	Personal data collected without permission			
	Data collected by a business about their own operations			
	✓ Correct Correct! Well done!			
	Data collected by a business about their customers			
	✓ Correct Correct! Well done!			
	✓ Text data from the Internet, such as Amazon reviews or Wikipedia			
	✓ Correct Correct! Well done!			
	Data handwritten in a notebook			
	Government archives			
	✓ Correct Correct! Well done!			
	✓ Data purchased from third party data "brokers"			
	✓ Correct Correct! Well done!			
	Which of the following are issues of ethics and responsibility in machine learning? (click all that apply)	1/1 point		
	✓ The fair treatment of the people collecting and processing the data			
	✓ Correct Correct, well done!			
	The security of the data, so that it isn't easily lost or stolen			
	✓ Correct Correct, well done!			
	✓ The proper consent of the original owners of the data			
	✓ Correct Correct, well done!			

	✓ The	representativeness of the data	
		Correct Correct, well done!	
	✓ The	anonymization of the data, as much as is possible	
		Correct Correct, well done!	
3.		data be biased? (click all that apply) In't; data is data and it reflects the real world	1/1 point
	_	ight include data collected under different conditions, and so not reflect operational data	
		Correct Correct, well done!	
	✓ It n data	night not include enough training data on a range of gender and ethnic groups, and so not reflect operational a	
		Correct Correct, well done!	
	✓ It m	ight not include data from underrepresented socioeconomic groups, and so not reflect real-world data	
		Correct, well done!	
4.	What is	the batch effect?	1 / 1 point
		en hospitals don't have the same scan results	
		en data from different times have included measurements of different things en you train your QuAM several times in different batches	
		en data from different sources have variations that aren't meaningful, but the algorithm takes as meaningful	
		Correct Correct, well done!	
5.	Which o	f the following statements are true about data and data pipelines?	1 / 1 point
	Lon	g term data storage is never a concern	
	✓ Lea	rning data and operational data need to be in the same format	
		Correct Correct! Well done!	
	✓ Mad	hine learning is an ongoing process, so new, incoming data is important	
		Correct! Well done!	
	✓ Fea	tures that were used in the learning data must be present in operational data	
		Correct! Well done!	
	Aut	omating data retrieval is a straight-forward process	
	✓ Trai	nsformed data will need to be accessible to your QuAM	
		Correct Well done!	
	✓ Inte	grating data from multiple sources can cause formatting issues	

✓ Correct

Correct! Well done!