Teste, 10 questions

✔ Parabéns! Você foi aprovado!

Próximo item

~	1/1 pontos			
1.				
What c	does the analogy "Al is the new electricity" refer to?			
	Al is powering personal devices in our homes and offices, similar to electricity.			
	Al runs on computers and is thus powered by electricity, but it is letting computers do things not possible before.			
0	Similar to electricity starting about 100 years ago, Al is transforming multiple industries.			
Corre	eto			
Correto Yes. Al is transforming many fields from the car industry to agriculture to supply-chain				
	Through the "smart grid", AI is delivering a new wave of electricity.			
~	1/1 pontos			
2.				
Which	of these are reasons for Deep Learning recently taking off? (Check the			
three options that apply.)				

Neural Networks are a brand new field.

10/10 points (100%)

	Não selecionado está correto	
ntroduction	to deep learning	1
este, 10 questions	We have access to a lot more computational power.	
	Correto Yes! The development of hardware, perhaps especially GPU computing, has significantly improved deep learning algorithms' performance.	
	Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition.	
	Correto These were all examples discussed in lecture 3.	
	We have access to a lot more data.	
	Correto Yes! The digitalization of our society has played a huge role in this.	
	1/1 pontos	
F	B. Recall this diagram of iterating over different ML ideas. Which of the statements below are true? (Check all that apply.)	
	Being able to try out ideas quickly allows deep learning engineers to iterate more quickly.	
	Yes, as discussed in Lecture 4.	

Faster computation can help speed up how long a team takes to

iterate to a good idea.

Correto

Introduction tosdeepolearmingure 4.

10/10 points (100%)

Teste, 10 questions

	It is faster to train on a big dataset than a small dataset.
Não	selecionado está correto
	Recent progress in deep learning algorithms has allowed us to train good models faster (even without changing the CPU/GPU hardware).
	eto For example, we discussed how switching from sigmoid to ReLU vation functions allows faster training.
~	1/1 pontos
can us	an experienced deep learning engineer works on a new problem, the ually use insight from previous problems to train a good model on the y, without needing to iterate multiple times through different models. alse?
	True

Correto

False

Yes. Finding the characteristics of a model is key to have good performance. Although experience can help, it requires multiple iterations to build a good model.

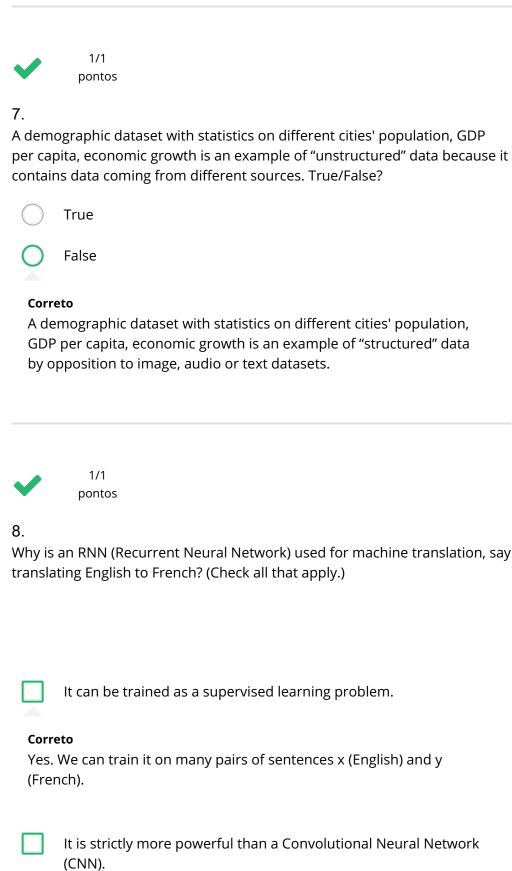
5.

Introduction	Which	one of these plots represents a ReLU activation function? leep learning	
		Figure 1:	10/10 points (100%)
Teste, 10 questions			
		Figure 2:	
	0	Figure 3:	
	Corr	eto ect! This is the ReLU activation function, the most used in neural	
		vorks.	
		Figure 4:	
		1/1	
		pontos	
	6.	s for cat recognition is an example of "structured" data, because it is	
		ented as a structured array in a computer. True/False?	•
		True	
	0	False	
	Corre	eto	

Introduction to deep learning

10/10 points (100%)

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Não selecionado está correto

0/10 points (100%)

Introduction to deep learning					
Feste, 10 questions	It is applicable when the input/output is a sequence (e.g., a sequence of words).				
	Correto Yes. An RNN can map from a sequence of english words to a sequence of french words.				
	RNNs represent the recurrent process of Idea->Code->Experiment->Idea->				
	Não selecionado está correto				
	1/1 pontos 9. In this diagram which we hand-drew in lecture, what do the horizontal axi (x-axis) and vertical axis (y-axis) represent?	is			
	 x-axis is the amount of data y-axis (vertical axis) is the performance of the algorithm. 				
	 x-axis is the amount of data y-axis is the size of the model you train. 				
	x-axis is the input to the algorithmy-axis is outputs.				

• x-axis is the performance of the algorithm

Introduction to deep learning

10/10 points (100%)

Teste, 10 questions

