← Introduction to deep learning

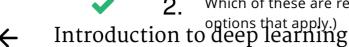
10/10 points (100%)

Quiz, 10 questions

✓ Congratulations! You passed!

Next Item

←	Introduction to deep learning				10/10 points (100%)		
	Quiz, 10 questions 1.	What does the analogy "Al is the new electricity" refer to?		Ů	${}^{\!$		
	1 / 1 points		Al is powering personal devices in our homes and offices, similar to electricity.				
			Through the "smart grid", Al is delivering a new wave of electricity.				
			Al runs on computers and is thus powered by electricity, but it is letting computers do things not possible before.				
			Similar to electricity starting about 100 years ago, Al is transforming multiple industries.				
		Correct					
			Al is transforming many fields from the car industry to agriculture to ply-chain				



Which of these are reasons for Deep Learning recently taking off? (Check the three

10/10 points (100%)

1 / 1 Quiz, 10 questions points



Deep learning has resulted in significant improvements in important applications such as online advertising, speech recognition, and image recognition.



These were all examples discussed in lecture 3.



We have access to a lot more computational power.

Correct

Yes! The development of hardware, perhaps especially GPU computing, has significantly improved deep learning algorithms' performance.



Neural Networks are a brand new field.

Un-selected is correct



We have access to a lot more data.

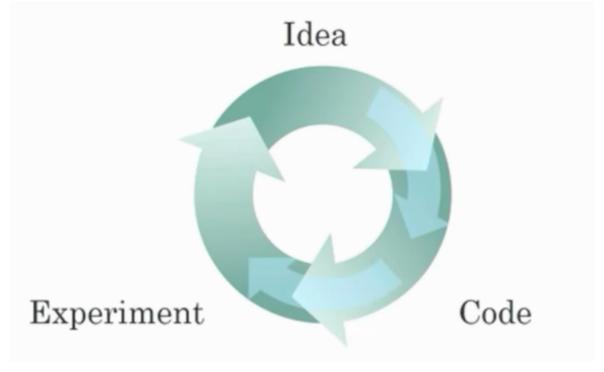
Correct

VacI The digitalization of our enciety has played a huge role in this

Recall this diagram of iterating over different ML ideas. Which of the statements Introduction to deep learning below are true? (Check all that apply.)

10/10 points (100%)

1 / 1 Quiz, 10 questions points





Being able to try out ideas quickly allows deep learning engineers to iterate more quickly.

Correct

Yes, as discussed in Lecture 4.

4 of 10

✓ 4. When an experienced deep learning engineer works on a new problem, they can usually use insight from previous problems to train a good model on the first try,
 ✓ Introduction to deep learning to gerate multiple times through different models. True/19/19/20 points (100%)

True

False

Correct

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 Which one of these plots represents a ReLU activation function?

← Introduction to deep learning

Ouiz, 10 questions

Quiz, 10 questions

10/10 points (100%)

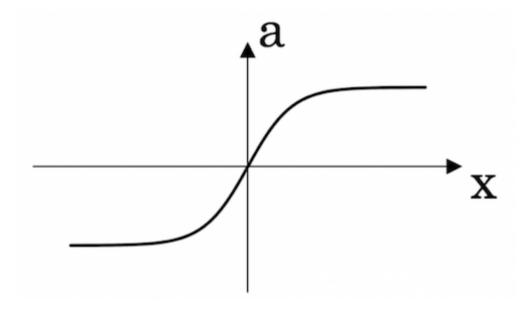
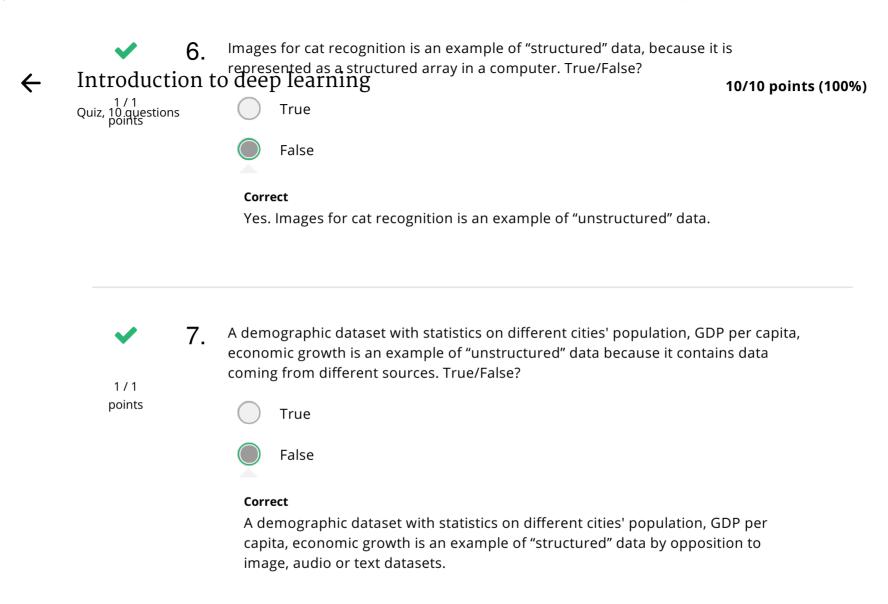
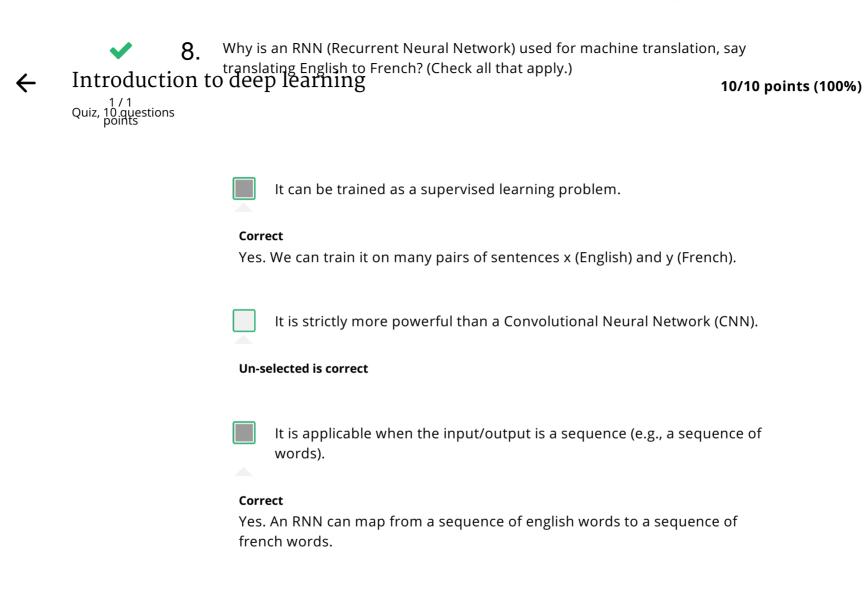


Figure 2:







RNNs represent the recurrent process of

Idea->Code->Experiment->Idea->....

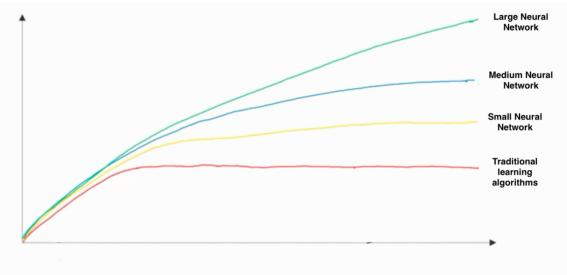
~

9. In this diagram which we hand-drew in lecture, what do the horizontal axis (x-axis)

- Introduction to deep learning

10/10 points (100%)

1 / 1 Quiz, 10 questions points



- x-axis is the input to the algorithm
 - y-axis is outputs.
- x-axis is the amount of data
 - y-axis is the size of the model you train.
- x-axis is the performance of the algorithm

