Lecture 1 Quiz

Quiz, 6 questions

6/6 points (100%)



Next Item



1/1 points

1.

We often don't know how much data we will need in order for a learning system to generalize well from training data to test data on a given task.

True or false: when choosing how much data to give to a learning system in order to make it generalize well, we need to make sure that we don't give it *too much* data.



Correct



1/1 points

2.

Data can change over time, in particular we might observe different input/output relationships. In order to account for this we can adapt our learning system to the new data by, for example, training on new examples.

If the relationship between inputs and outputs for old examples has not changed, how can we prevent a neural network from forgetting about the old data?

Ignore the issue and hope that everything will be OK.

Un-selected is correct



Train on a mix of old and new data.

6/6 points (100%)

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		r	r			

	Prevent the system from changing the weights too much.					
Correct						
	Train two networks, one for old data and one for new data.					
Un-selected is correct						
~	1 / 1 points					
3. Which learnin	of the following are good reasons for why we are interested in unsupervised					
	It allows academic researchers to publish more papers.					
Un-s	elected is correct					
	It allows us to learn from vast amounts of unlabelled data.					
Corr	ect					
Corre	It can be used to learn features that may help with supervised tasks.					
	It lets us avoid supervised learning entirely.					
Un-s	elected is correct					

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1/1 points

4.

Which of the following tasks are neural networks good at?

Ш

Storing lists of names and birth dates.

Un-selected is correct

Recognizing fragments of words in a pre-processed sound wave.

Correct

Neural networks are good at finding statistical regularities that allow them to recognize patterns. They are not good at flawlessly applying symbolic rules or storing exact numbers.

logical reasoning

Un-selected is correct

Recognizing badly written characters.



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1/1 points

5

Which number is biggest?

The number of bits of Random Access Memory (usually just called memory) in a modern laptop.

(2/2017		Coursera Online Courses From Top Universities. Join for Free Coursera	
[oatumo 1 ()	\bigcirc	The number of milleseconds in a human lifetime.	
Lecture 1 Q Quiz, 6 questions	yuiz		6/6 points (100%)
quiz, o questions	\bigcirc	The Greek national debt in euros	
	0	The number of synapes in a human brain.	
	Corre		
		rons come in many different types and sizes with very different	
		bers of connections. Some cells in your cerebellum make 250,000 lections. Other neurons in the cerebellum are tiny and probably	
		umber all of the other neurons in your brain. This type of variation	
		es it much harder than you might think to estimate the total number of	
		pses, but neuroscientists generally estimate about 100 trillion give or a factor of 10.	
	take	a factor of 10.	
		4.74	
	V	1 / 1 points	
	_		
	6. Which o	of the following facts provides support for the theory that the local neural	
		in most parts of the cortex all use the same general purpose learning	
	algorith		
		The fine-scale anatomy of the cortex looks pretty much the same all over	-
		The line-scale anatomy of the cortex looks pretty much the same all over	•
	Corre	ect	
		If part of the cortex is removed early in life, the function that it would have served often gets relocated to another part of cortex.	
		Thave served often gets relocated to another part of cortex.	
	Corre	ect	
		Drain come chaut that different functions (like abiast researchise and	
		Brain scans show that different functions (like object recognition and language understanding) are located in different parts of the cortex.	
	Un-se	elected is correct	
		If the viewal input is contite the auditory cortey of a newhorn formatithe	
		If the visual input is sent to the auditory cortex of a newborn ferret, the "auditory" cells learn to do vision.	

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