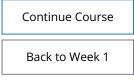
×

Lecture 1 Quiz



6/6 points earned (100%)

Quiz passed!



/

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.

 \bigcirc

True



False



Correct



1/1 points

2.

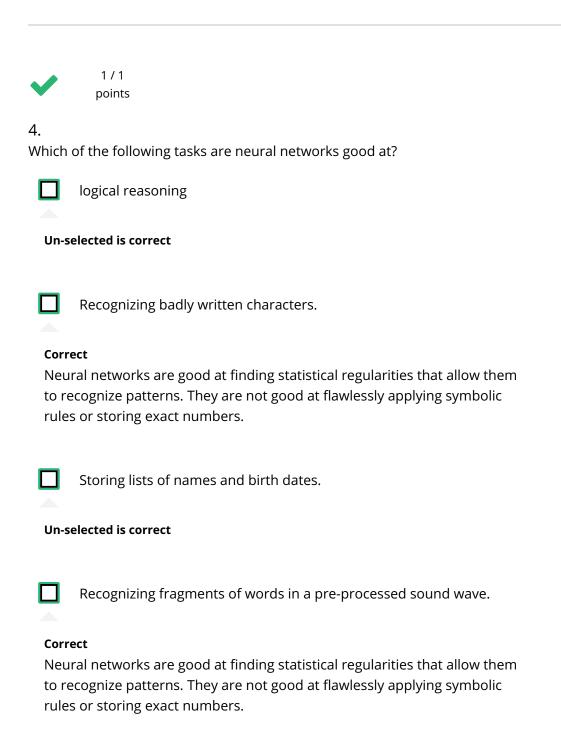
Data can change over time, in particular we might observe different input/output relationships. In order to account for this we can adapt our learning system to the new data by, for example, training on new examples.

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?

Prevent the system from changing the weights too much.

Corr	ect					
	Train on a mix of old and new data.					
Corr	ect					
	Ignore the issue and hope that everything will be OK.					
Un-selected is correct						
	Train two networks, one for old data and one for new data.					
Un-s	elected is correct					
~	1/1 points					
3. Which earnin	of the following are good reasons for why we are interested in unsupervised ng?					
	It lets us avoid supervised learning entirely.					
Un-s	elected is correct					
	It allows academic researchers to publish more papers.					
Un-s	Un-selected is correct					
	It allows us to learn from vast amounts of unlabelled data.					
Corr	cul					
	It can be used to learn features that may help with supervised tasks.					

Correct





1/1 points

5.

Which number is biggest?



	Coursera Online Courses From Top Universities. Join for Free Coursera
O	The number of milleseconds in a human lifetime.
0	The number of synapes in a human brain.
num coni outr mak syna	rons come in many different types and sizes with very different abers of connections. Some cells in your cerebellum make 250,000 nections. Other neurons in the cerebellum are tiny and probably number all of the other neurons in your brain. This type of variation ces it much harder than you might think to estimate the total number of apses, but neuroscientists generally estimate about 100 trillion give or a factor of 10.
0	The number of bits of Random Access Memory (usually just called memory) in a modern laptop.
0	The Greek national debt in euros
✓ 6.	1 / 1 points
Which	of the following facts provides support for the theory that the local neural s in most parts of the cortex all use the same general purpose learning hm?
	Brain scans show that different functions (like object recognition and language understanding) are located in different parts of the cortex.
Un-s	elected is correct
Corr	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.
2011	

If the visual input is sent to the auditory cortex of a newborn ferret, the $\,$ "auditory" cells learn to do vision.

Correct

	, , , , , , , , , , , , , , , , , , , ,	ooks pretty much the		
Correct				
			∽	