Lecture 1 Quiz

6/6 points (100%)

Quiz, 6 questions

Congratulations! You passed!

Next Item



1/1 points

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

True



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?

Train on a mix of old and new data.

Correct

Train two networks, one for old data and one for new data.

Lecture 1 Qui_{tr} -selected is correct Quiz, 6 questions

6/6 points (100%)

Ignore the issue and hope that everything will be OK. Un-selected is correct		
Prevent the system from changing the weights too much. Correct		
1/1 points		
3. Which of the following are good reasons for why we are interested in unsupervised learning?		
It lets us avoid supervised learning entirely.		
Un-selected is correct		
It allows academic researchers to publish more papers.		
Un-selected is correct		
It allows us to learn from vast amounts of unlabelled data.		
Correct		
It can be used to learn features that may help with supervised tasks.		
Correct		



1/1 points

0,00,202.		
Lecture 1 (Quiz, 6 questions	4	6/6 points (100%)
	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	
	On Science is correct	
	Recognizing badly written characters.	
	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.	
	Storing lists of names and birth dates.	
	Un-selected is correct	
	1/1 points	
	5.	
	Which number is biggest?	
	The Greek national debt in euros	
	The number of bits of Random Access Memory (usually just called memory) in a modern laptop.	
	The number of synapes in a human brain.	
	Correct	
	Neurons come in many different types and sizes with very different	

Neurons come in many different types and sizes with very different numbers of connections. Some cells in your cerebellum make 250,000 connections. Other neurons in the cerebellum are tiny and probably Quiz, 6 questions

outnumber all of the other neurons in your brain. This type of variation $Lecture \ 1 \ Quiz_{\text{akes it much harder than you might think to estimate the total}$ number of synapses, but neuroscientists generally estimate about 100 trillion give or take a factor of 10.

6/6 points (100%)

	The number of milleseconds in a human lifetime.
~	1 / 1 points
neural	of the following facts provides support for the theory that the local circuits in most parts of the cortex all use the same general purpose g algorithm?
	The fine-scale anatomy of the cortex looks pretty much the same all over.
Corre	ect
Corre	If the visual input is sent to the auditory cortex of a newborn ferret, the "auditory" cells learn to do vision.
Corre	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.
☐ Un-se	Brain scans show that different functions (like object recognition and language understanding) are located in different parts of the cortex.
011-36	Liceted is correct





Lecture 1 Quiz

Quiz, 6 questions

6/6 points (100%)