Congratulations! You passed!

Grade received 100% Latest Submission Grade 100% To pass 80% or higher

1 model add/+f layone mayDealing3D/(nealSize: [2 2]])).

Go to next item

	<pre>1 model.add(tf.layers.conv2d({inputShape: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'}));</pre>	
	<pre>model.add(tf.layers.conv({inputShape: (28, 28, 1), kernelSize: 3, filters: 8, activation: 'relu'}));</pre>	
)		
	<pre>model.add(tf.layers.conv2d({inputShape: [28, 28], kernelSize: 3, filters: 8, activation: 'relu'}));</pre>	
	<pre>model.add(tf.layers.conv({inputShape: [28, 28, 1], kernelSize: 3, filters: 8, activation: 'relu'}));</pre>	
9	Correct	
at	s the correct syntax for adding a maxPooling2D layer to a Convolutional neural network in JavaScript?	1 / 1 p
	<pre>1 model.add(tf.layers.maxPooling2D({poolSize = [2, 2]}));</pre>	
)		
	<pre>1 model.add(tf.layers.maxPooling2d({poolSize = [2, 2]}));</pre>	

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	•			
		1	<pre>model.add(tf.layers.maxPooling2d({poolSize: [2, 2]}));</pre>	
		Correc	*	
	· ·	Correc		
3.	What	t is the c	correct syntax for compiling a model with an optimizer, loss function and metrics?	1/1 point
	•	1	model.compile(optimizer: tf.train.adam(), loss: 'categoricalCrossentropy', metrics: ['accuracy']);	
		1	<pre>model.compile({ tf.optimizer: tf.train.adam(), tf.loss: 'categoricalCrossentropy', tf.metrics: ['accuracy']});</pre>	
	0	1	moder.compile({ tr.optimizer: tr.train.adam(), tr.ioss: tategoritaitrossentropy , tr.metrics: [accuracy];),	
	0	1	<pre>model.compile({ optimizer: tf.train.adam(); loss: 'categoricalCrossentropy'; metrics: ['accuracy']});</pre>	
	0	1	<pre>model.compile({ optimizer = tf.train.adam(), loss = 'categoricalCrossentropy', metrics = ['accuracy']});</pre>	
	\odot	Correc	tt.	
1	How	dovou	correctly pass a set of validation data called textXs and testYs to the model.fit method in JavaScript?	
				1/1 point
	_		dationData = [testXs, testYs] in the list of parameters to model.fit	
	_		dationData: [testXs, testYs] in the list of parameters sent as the third parameter to model.fit dationData= [testXs, testYs] and pass it to the model.fit method	
			dationData: [testXs, testYs] and pass it to the model.fit method	
	\bigcirc	Correc		
5.	How	do you į	get the built in callbacks visualizer with TensorFlow.js?	1 / 1 point
	0 1	Include t	the tfjs-vis script, set a callback in model.fit and it will work automatically	
			the tfjs-vis script, call show.fitCallbacks() on the tfvis object	
	_		the tfjs-vis script, set a callback in model.fit, and set it to a const that called show.fitCallbacks() on the tfvis object	

	O Include the tfjs-vis script and it will work automatically					
	○ Correct					
6.	If you want to see loss, validation loss, accuracy and validation accuracy on each epoch while training, how do you do this?	1/1 point				
	Create a list containing text values ["loss=true", "val_loss=true", "acc=true", "val_acc=true"] and pass it to fitCallbacks() as a parameter					
	O Create a list setting loss=true, val_loss=true, acc=true, val_acc=true, and pass it to the fitCallbacks() as a parameter					
	O Create a list containing [1, 1, 1, 1] indicating that you want those 4 values to be true and pass it to the fitCallbacks() as a parameter					
	© Create a list containing text values with the names of the analytics you want to capture, i.e. ['loss', 'val_loss', 'acc', 'val_acc'] and pass it to fitCallbacks() as a parameter					
	○ Correct					
7.	When using a dataset like MNIST or FashionMNIST, why is it advisable to use a sprite sheet containing all the images?	1 / 1 point				
	O It makes the data more secure					
	O It doesn't require any additional pre-processing					
	O It keeps the data in the native JS format					
	It prevents excessive multiple HTTP calls to download the data					
	○ Correct					
8.	What is the role of tf.tidy() in TensorFlow.js?	1/1 point				
	O When it is executed it clears memory for new tensors					
	O It shuts down tensorflow when done, cleaning up all memory					
	When it is executed, it cleans up all intermediate tensors allocated by a function except those returned by the function					
	O When it is executed, it removes everything tensorflow from the browser memory and cache					
	○ Correct					