

## Congratulations! You passed!

Grade received 100%  $\,$  To pass 80% or higher

1 [inputShape: mobilenet.outputs[1].slice( $\theta$ )]

Go to next item

## Week 4 Quiz

Latest Submission Grade 100%								
1.	What HTML5 tag is used to show the contents of a webcam?	1 / 1 point						
	<pre></pre> <pre>&lt;</pre>							
	«video>							
	O <div></div>							
	○ Correct							
2.	If I initialize a webcam object like this:							
	<pre>1 const webcam = new Webcam(document.getElementById('wc'));</pre>							
	Which code will then start the webcam feed to render in the page?							
	1 async function init(){await webcam.initialize();}							
	1 async function init(){await webcam.go();}async function init(){await webcam.go();}							
	<pre>async function init(){await webcam.setup();}</pre>							
	<pre>1 async function init(){await webcam.start();}</pre>							
	<b>⊘</b> Correct							
3.	If I want to create a model that uses transfer learning, with everything in mobilenet up to layer 'foo', and my layers afterwards, how do I do it? Assume this code was used to find layer 'foo'	1/1 point						
	<pre>1 const layer = mobilenet.getLayer('foo');</pre>							
	1 return tf.model({inputs: mobilenet.input, outputs: layer.outputs});							
	<pre>1 return tf.model({inputs: mobilenet.inputs, outputs: layer.output});</pre>							
	1 return tf.model({inputs: mobilenet.inputs, outputs: layer.outputs});							
	<pre>1 return tf.model({inputs: mobilenet, outputs: layer});</pre>							
	<b>⊘</b> Correct							
4.	If I am transfer learning from a mobilenet, and I want to use my own dense layers after the mobilenet ones, what is the correct syntax to use at <insert code="" here=""></insert>	1/1 point						
	1 model = tf.sequential({ 2    layers: [							
	<pre>3 tf.layers.flatten(<insert code="" here="">),</insert></pre>							
	<pre>5 tf.layers.dense({ units: 3, activation: 'softmax'})</pre>							
	6   1 7   });							

	0	1	{inputShape:	: mobilenet.out	tputs[0].slice(1)	)		I	
	0	1	{inputShape:	: mobilenet.out	tputs[1].shape.sl	ice(0)}		I	
	•	1	{inputShape:	: mobilenet.out	tputs[0].shape.sl	ice(1)}		I	
	0	) Correct							
5.	If I a		a mobilenet wit	th my own DNN f	for transfer learning	in TensorFLow.js, hov	w do I get a prediction fo	oran	
	•	Get a set	of prediction e	embeddings from	n mobilenet and pas	ss them to your model	l		
	0	Just pas	s the prediction	n to mobilenet, b	ecause you've alrea	dy added your layers	to it		
	0	Get a set	of prediction e	embeddings from	n your model and pa	ass them to mobilenet	t		
	0	Just pas	s the prediction	n to your own mo	odel, it already inclu	des the mobilenet lay	rers		
	<b>⊘</b> Correct								
6.	large	est proba prediction prediction prediction	ons.sort() then I ons.as1D().argM ons.argMax() th	you do it? look at the 0th el lax(), then look a en look at the 0tl	lement at the 0th element	mething) and you wan	nt to take the one with ti	he	
		Correct							
7.		If you already have a function called predict() in a class called 'foo' which captures a frame from the webcam and predicts it, what's the best way to call it, particularly if you plan to do continuous predictions?							
	0	1	tf.tidy(foo.	.predict());					
	•	1	tf.tidy(() =	=> foo.predict(	());				
	0	1	foo.predict(	(); tf.tidy();					
	0	1	foo.predict(	(tf.tidy());					
	0	) Correct							
8.	Why	is transf	er learning a hu	ige advantage, p	articularly when tra	ining in the browser?			
	O It lets you skip training altogether								
	0	It gives y	ou a smaller m	odel					
	O It allows you to use already-learned convolutions for distinguishing features, saving space								
	It allows you to use already-learned convolutions for distinguishing features, saving training time								
	$\odot$	<b>⊘</b> Correct							