

! Try again once you are ready



GRADE 57.29%

Object Detection

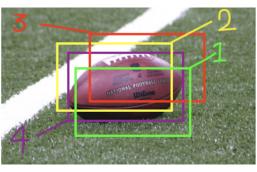
LATEST SUBMISSION GRADE 57.29%

1. Check all the techniques that can be used to improve the accuracy of detecting objects and encapsulating them entirely 0.667/1 point within a single bounding box. ✓ Use Selective Search technique ✓ Correct Correct! It is an advanced technique, and faster than a naive approach. ✓ Increase the size of the bounding box until the object fits entirely in it. ✓ Correct Correct! That is one of the simplest techniques. Scale down the image and then detect the object within it using the bounding box This should not be selected Incorrect! The scaling down technique is used to save on memory as we have less pixels (as opposed to a larger image) to process. 2. Check all that are true for Selective Search. 0.667 / 1 point ☐ The biggest bounding box detected of the smaller objects in the end becomes the final bounding box around the ✓ Image segmentation is used in this technique Correct! It is used to identify smaller objects. You didn't select all the correct answers 3. The technique of selecting the best bounding box based on the highest intersection over union (IOU) between the true 1 / 1 point

4. Consider the following image, according to the NMS technique which coloured bounding box will be eventually selected 1/1 point as the best bounding box around the football?



_ (NMS). (Hint: it is a one word answer)

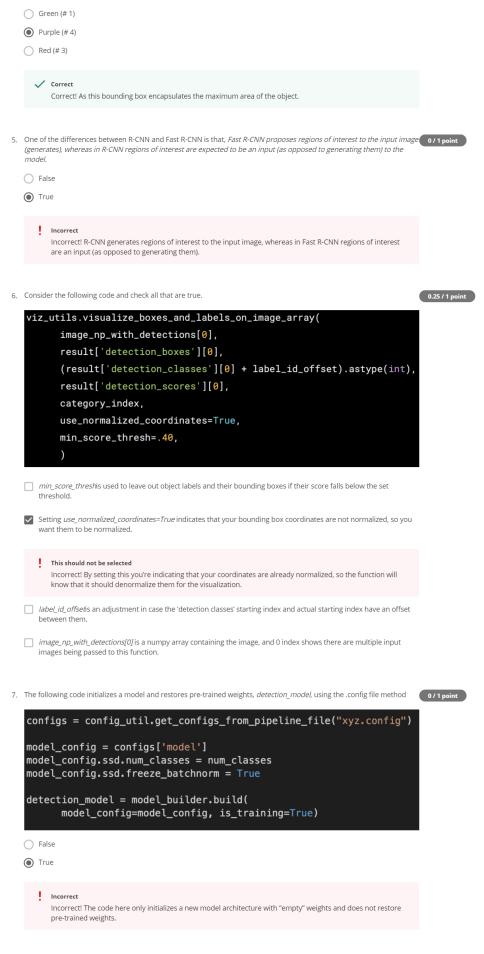


label and several predicted bounding boxes is called non-maximum _

Yellow (# 2)

suppression

✓ Correct



8. Which of the following is the correct syntax to print a list of your trainable variables in a model?

1 / 1 point

for varName in myModel.trainable_variables:

\circ	for varName in myModel.trainables:
	print(varName.name)
\circ	for varName in myModel.Variables:
	print(varName.name)
\circ	for varName in myModel.trainableVariables:
	print(varName.name)
	Correct Correct!