



Deep Segmentation And Transfer

<u>Course</u> > <u>Learning</u>

> <u>Fully Convolutional Approaches</u> > Lesson Quiz

Lesson Quiz

Answer the following questions to test your knowledge of the concepts and techniques taught in this lesson.

Note: Some of the questions are based on the lab associated with this lesson, so make sure you have explored and run the lab.

Question 1

1/1 point (graded)

Which of the following were challenges for Fully Deep Network Segmentation? Choose all that apply

- Convolution layers produce fine output
- ✓ Lack of Smoothness Constraints globally ✓
- ✓ Fully Connected layers limit input images to fixed size patches ✓
- Max pooling layers encode too much spatial information



Submit

You have used 1 of 1 attempt

• Answers are displayed within the problem

Question 2

1/1 point (graded)

Which of the following statements are true?

Choose all that apply

☑ Low level features were replaced by learned feature extractors. ✔	

- Super-pixels are output by convolution layers.
- Smoothness constraints can be added by modelling CRFs in a Recurrent Neural Network (CRF-RNN) architecture.
- ☐ Atrous Spatial Pyramid Pooling is a type of multi-scale image pyramid with sliding windows.



Explanation

Submit

You have used 1 of 1 attempt

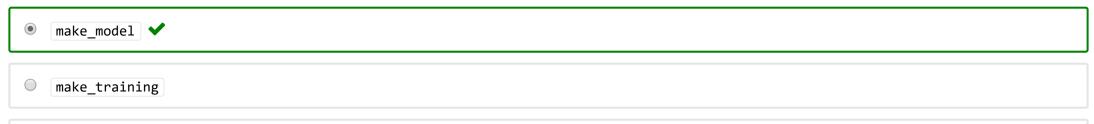
1 Answers are displayed within the problem

Question 3

1/1 point (graded)

The following is a question based on the lab in this lesson. In our ResNet segmenter lab, what was the name of the Python variable to control training?

Choose one









Explanation

You have used 1 of 1 attempt Submit **1** Answers are displayed within the problem Question 4 1/1 point (graded) The following is a question based on the lab in this lesson. In our ResNet segmenter lab, how many epochs do we artificially limit training to when running in Azure Notebooks? Choose one 0 100 0 10 2 9 1 **Explanation** You have used 1 of 1 attempt Submit **1** Answers are displayed within the problem Question 5 1/1 point (graded) The following is a question based on the lab in this lesson. In our ResNet segmentation lab, what type of model do we build? Choose one

Super-pixels with a ResNet Classifier

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FCN with CRF at the end	
● Fully-convolutional Network (FCN) ✔	
UberNet	
Explanation	
Submit You have used 1 of 1 attempt	
• Answers are displayed within the problem	
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