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
- [x] Lack of Smoothness Constraints globally ✔
- [x] 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

- [x] Low level features were replaced by learned feature extractors. ✔
- [ ] Super-pixels are output by convolution layers.
- [x] 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

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

- (•) `make_model` ✔
- ( ) `make_training`
- ( ) `make_train`
- ( ) `control_training`
- ( ) `do_training`

Explanation

Submit You have used 1 of 1 attempt

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

- 100
- 10
- 2
- 9
- 1 ✔

Explanation

Submit You have used 1 of 1 attempt

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

- FCN with CRF at the end
- Fully-convolutional Network (FCN) ✔
- UberNet

Explanation

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Answers are displayed within the problem

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