Unit 11 - Week 10

Assignment 10

The due date for submitting this assignment has passed. Due on 2018-04-04, 23:59 IST.

Submitted assignment

1) What is the input to region proposal network (rpn) ?
   - RGB images
   - Object Responses
   - Both of the above
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   RGB images

2) What is the output of rpn ?
   - Probability of the object class
   - Bounding box parameters of the object
   - Both of the above
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both of the above

3) Which losses govern the rpn ?
   - Classification loss
   - Regression loss
   - Both of the above
   - None of the above

   No, the answer is incorrect.
   Score: 0
   Accepted Answers:
   Both of the above

4) What kind of classifier is employed in rpn ?
   - One class
   - Two class
   - Multi class
   - No classifier is employed

   1 point

[Course outline]

- How to access the portal
- Week 1
- Week 2
- Week 3
- Week 4
- Week 5
- Week 6
- Week 7
- Week 8
- Week 9
- Week 10
  - Feedback for Week 10
  - Lecture 46: Activation pooling for object localization
  - Lecture 47: Region Proposal Networks (CNN and Faster rCNN)
  - Lecture 48: GAP + rCNN
  - Lecture 49: Semantic Segmentation with CNN
  - Lecture 50: UNet and SegNet for UNet
No, the answer is incorrect.
Score: 0
Accepted Answers: 

Multi class

5) Multiple anchor boxes are generated by changing
- Aspect ratio
- Scale
- Centre
- Both aspect ratio and scale

No, the answer is incorrect.
Score: 0
Accepted Answers: 

Both aspect ratio and scale

6) Which of the following results in multi scale feature extraction
- Multiple filter sizes
- Multiple versions of rescaled input image
- Both of the above
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: 

Both of the above

7) rpn fails in case of
- Overlapping objects from different class
- Overlapping objects from same class
- Overlapping objects
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: 

None of the above

8) Can an object classifier trained on image patches can propose regions on a canvas image
- Yes
- No
- Yes as long as input statistics stay the same
- None

No, the answer is incorrect.
Score: 0
Accepted Answers: 

Yes as long as input statistics stay the same

9) How many outputs are predicted for a rpn with k anchor boxes
- 2k
- 4k
- 6k
- None

No, the answer is incorrect.
Score: 0
Accepted Answers: 

6k
10) What is the dimension of the vector based on which the above outputs are generated?

- 256
- 128
- Subjective to anchor boxes number
- None of the above

No, the answer is incorrect.
Score: 0
Accepted Answers: 256