Kahoot!

# DL Lecture Quiz 8 (2021)

1 play · 42 players

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## Questions (10)

1 - Quiz

**Batch normalization layers are usually inserted after:**

30 sec

- Fully connected layers ✓
- All layers, but only at test time ✗
- Convolutional layers ✓
- All layers, but only while training ✗

2 - Quiz

**In which of the following scenarios does batch normalization not perform well:**

30 sec

- With a small mini-batch size ✓
- While having very deep networks ✗
- While having recurrent connections ✓
- When inputs are big images ✗

3 - Quiz

**Layer normalization in CNNs: Across which of the following dimensions do we reduce when calculating mean/variances?**

30 sec

- The width of the image (W) ✓
- The examples in the mini-batch (N) ✗
- The height of the image (H) ✓
- The channels in the image (C) ✓

4 - Quiz

**Which normalization has been demonstrated to perform particularly well for style transfer?**

20 sec

- Batch normalization ✗
- Instance normalization ✓
- Layer normalization ✗
- Group normalization ✗

5 - Quiz

**Transfer learning is commonly used ...**

20 sec

- When training deep CNNs on small datasets ✓
- When training very compact CNNs ✗
- When we have many rows of tabular input data ✗
- When you have a lot of training data ✗

6 - Quiz

**Which of the following is the better way of initializing the weights/biases of ReLU units?**

30 sec

- Weights randomly and biases to 0 ✗
- Both weights/biases to 0 ✗
- Both weights/biases randomly ✗
- Weights randomly and biases larger than 0 ✓

7 - Quiz

**What deep learning model is usually applied if you have inputs with topological structure?**

20 sec

- LSTM ✗
- FC ✗
- GRU ✗
- CNN ✓

8 - Quiz

**The inception module was first introduced in**

20 sec

- GoogLeNet ✓
- VGGNet ✗
- ResNet ✗
- ZFNet ✗

9 - Quiz

**MobileNets improve efficiency by using**

20 sec

- depth separable convolutions ✓
- residual blocks ✗
- inception modules ✗
- transposed convolutions ✗

10 - Quiz

**In semantic segmentation:**

20 sec

- The task is to draw bounding boxes around objects ✗
- The output differentiates instances ✗
- The model labels each pixel in the image ✓
- Output and Input resolution are the same ✓