Congratulations! You passed!

Grade received 80%
Latest Submission Grade 80%
To pass 80% or higher

Go to next item

1. Which of the following do you typically see in ConvNet? (Check all that apply.) **1 / 1 point**

Expand

Correct
Yes, FC layers are typically used in the last few layers after flattening the volume to generate the output in classification.

2. LeNet - 5 made extensive use of padding to create valid convolutions, to avoid increasing the number of channels after every convolutional layer. True/False? **0 / 1 point**

↙↗ **Expand**

⊗ **Incorrect**
No, back in 1998 when the corresponding paper of LeNet - 5 was written padding wasn't used.

3. Training a deeper network (for example, adding additional layers to the network) allows the network to fit more complex functions and thus almost always results in lower training error. For this question, assume we're referring to "plain" networks. **1 / 1 point**

↙↗ **Expand**

✓ **Correct**
Correct, Resnets are here to help us train very deep neural networks.

4. Which of the following equations captures the computations in a ResNet block?b **1 / 1 point**

Expand

Correct
Correct. This expresses the computations of a ResNet block, where the last term $a^{[l]}$ is the shortcut connection.

5. Which ones of the following statements on Residual Networks are true? (Check all that apply.) **1 / 1 point**

Expand

Correct
Great, you got all the right answers.

6. For a volume of $125 \times 125 \times 64$ which of the following can be used to reduce this to a $125 \times 125 \times 32$ volume? **1 / 1 point**

Expand

Correct
Yes, since using 1×1 convolutions is a great way to reduce the depth dimension without affecting the other dimensions.

7. Which of the following are true about the inception Network? (Check all that apply) **0 / 1 point**

Expand

Incorrect
You didn't select all the correct answers

8. Which of the following are common reasons for using open-source implementations of ConvNets (both the model and/or weights)? Check all that apply. **1 / 1 point**

Expand

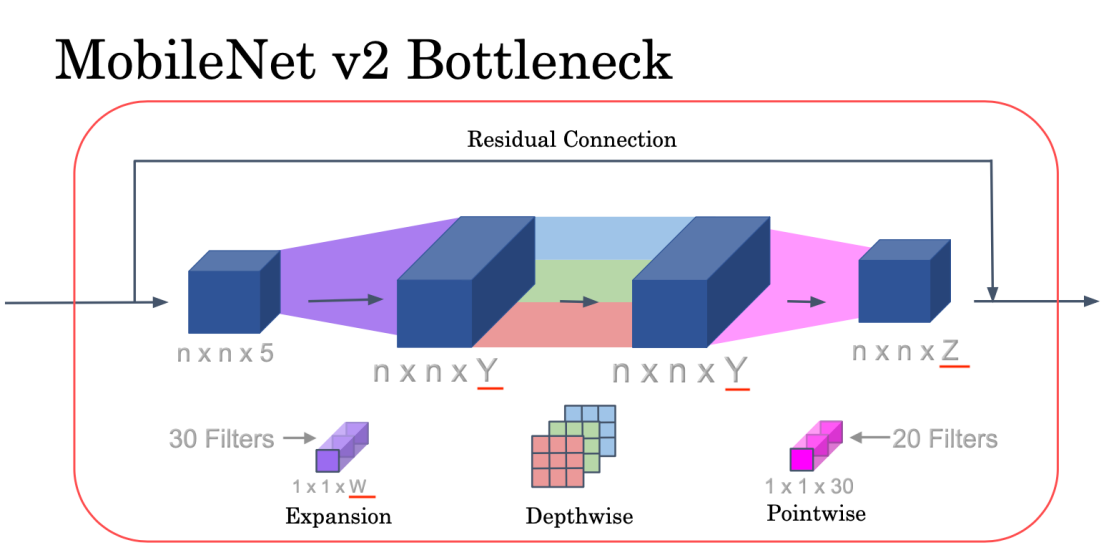
Correct
Great, you got all the right answers.

9. Which of the following are true about Depth wise-separable convolutions? (Choose all that apply) **1 / 1 point**

Expand

Correct
Great, you got all the right answers.

10. Fill in the missing dimensions shown in the image below (marked W, Y, Z). **1 / 1 point**



Expand

Correct