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Quiz: What's Convolution?

Instructions for Graded Review Questions

How much time do I have to complete these questions?

Unlimited. You can take as long you want to answer these questions.

Can I go back to the videos to check something, then come back to these Review Questions?

Yes, absolutely! These questions are for you to review what you've learned so far. Take your time.

Do these Review Questions count towards my final grade?

Yes, all of the review questions, combined together, are worth 50% of your total mark.

How many chances do I get to answer these questions?

It depends:

- For True/False questions, you only get one (1) chance.
- For any other question (that is not True/False), you get two (2) chances.

How can I check my overall course grade?

You can check your grades by clicking on "Progress" in the top menu.

Multiple Choice

1/1 point (graded)

One of the purpose of convolution is preserving the spatial relationship.

True or False

☒ True

☐ False



Submit

You have used 1 of 2 attempts

✓ Correct (1/1 point)

Numerical Input

1/1 point (graded)

Consider a 3X3 input matrix or Tensor and a 2X2 kernel, after convolution the out but will be a square matrix, what is the size of one of the dimensions of the square matrix

2



2

You have used 1 of 2 attempts

[Submit](#)

Numerical Input

2/2 points (graded)

Consider the following code:

```
nn.Conv2d(in_channels=1, out_channels=1, kernel_size=2, stride=3, padding=1)
```

how many rows will be padded?



How many columns will be padded?

[Submit](#)

You have used 2 of 2 attempts

✓ Correct (2/2 points)

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