Quiz: What are Neural Networks?

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.

Numerical Input

1/1 point (graded)

Consider the following neural network model or class:

```
class Net(nn.Module):
        def __init__(self,D_in,H,D_out):
            super(Net,self).__init__()
            self.linear1=nn.Linear(D_in,H)
            self.linear2=nn.Linear(H,D_out)
        def forward(self,x):
            x=F.sigmoid(self.linear1(x))
            x=F.sigmoid(self.linear2(x))
            return x
```

How many hidden neurons does the following neural network object have?

```
model=Net(1,3,1)
```

3 ✔

3

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

Multiple Choice

1/1 point (graded)
What does the following line of code do?

```
F.sigmoid(self.linear1(x))
```

- Applies a linear function to x
- Creates a linear object
- Applies a sigmoid activation to every element of the tensor x ✔

Submit You have used 1 of 2 attempts

✔ Correct (1/1 point)

Multiple Choice

1/1 point (graded)
Consider the following neural network model or class:

How many hidden layers does the following neural network object have?

```
model=Net(1,3,1)
```

1 ✔

1

Submit You have used 2 of 2 attempts

✔ Correct (1/1 point)

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