Neural Networks

LATEST SUBMISSION GRADE

100%

1. Consider the following neural network model or class: **1 / 1 point**

```
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=torch.sigmoid(self.linear1(x))
        x=torch.sigmoid(self.linear2(x))
        return x
```

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

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

3

✓ **Correct**

correct

2. What's wrong with the following function : **1 / 1 point**

```
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=torch.sigmoid(linear1(x))
        x=torch.sigmoid(linear2(x))
        return x
```

- ○ nothing
- ◉ you did not call self.linear1(x) and self .linear2(x)

✓ **Correct**

correct