

Activation Functions

LATEST SUBMISSION GRADE

100%

1. Usually, what activation function would you use if you had more than 10 hidden layers?

1 / 1 point

- ☒ Relu
- ☐ Tanh
- ☐ Sigmoid

✓ Correct
correct

2. What is the problem with the tanh and sigmoid activation function?

1 / 1 point

- ☐ They are discontinuous functions
- ☐ You can't take the derivative
- ☒ The derivative is near zero in many regions
- ☐ They are periodic functions

✓ Correct
correct

3. What activation function is used in the following class

1 / 1 point

```
1 class NetRelu(nn.Module):
2     def __init__(self,D_in,H,D_out):
3         self.linear1=nn.Linear(D_in,H)
4         self.linear2=nn.Linear(H,D_out)
5     def forward(self,x):
6         x=torch.relu(self.linear1(x))
7         x=self.linear2(x)
8         return x
9
```

- ☒ relu
- ☐ tanh
- ☐ Sigmoid

✓ Correct
correct