Dropout

LATEST SUBMISSION GRADE

100%

1. What is the purpose of using dropout? **1 / 1 point**

- (•) Reduce the impact of noise or overfitting
- ( ) Get higher accuracy on the training set
- ( ) A method for validating your model

✓ **Correct**
correct

2. Consider the following Module or class : **1 / 1 point**

```
class Net(nn.Module):
    def __init__(self, in_size, n_hidden, out_size, p)
        super(Net, self).__init__()
        self.drop=nn.Dropout(p=p)
        self.linear1=nn.Linear(in_size, n_hidden)
        self.linear2=nn.Linear(n_hidden, out_size)
    def forward(self, x):
        x=torch.relu(self.linear1(x))
        x=self.drop(x)
        x=self.linear2(x)
        return x

```

how would you create a neural network with a dropout parameter of 0.9

- ( ) model =Net(in_size=0.9, n_hidden=0.9, out_size=10, p=10)
- ( ) model =Net(in_size=0.9, n_hidden=100, out_size=10, p=10)
- (•) model =Net(in_size=10, n_hidden=100, out_size=10, p=0.9)

✓ **Correct**
correct

3. Select the constructer value to let 40% of the activations to the shut off **1 / 1 point**

- (•) nn.Dropout(0.4)
- ( )

nn.Dropout(0.7)

✓ **Correct**
incorrect