

수정된 코드

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[12] class MLP_underfit(nn.Module):
    def __init__(self):
        super(MLP_underfit, self).__init__()
        self.fc1 = nn.Linear(784, 1024)
        self.fc2 = nn.Linear(1024, 512)
        self.fc3 = nn.Linear(512, 256)
        self.fc4 = nn.Linear(256, 128)
        self.fc5 = nn.Linear(128, 64)
        self.fc6 = nn.Linear(64, 32)
        self.fc7 = nn.Linear(32, 16)
        self.fc8 = nn.Linear(16, 8)
        self.fc9 = nn.Linear(8, 10)
        #과제 1에서 수정 또는 채워주셔야 할 부분입니다!

        # Weight Initialization
        torch.nn.init.xavier_normal_(self.fc1.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc2.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc3.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc4.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc5.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc6.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc7.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc8.weight, data, gain=1.0)
        torch.nn.init.xavier_normal_(self.fc9.weight, data, gain=1.0)

    def forward(self, x):
        x = self.fc1(x)
        x = F.relu(x)
        x = self.fc2(x)
        x = F.relu(x)
        x = self.fc3(x)
        x = F.relu(x)
        x = self.fc4(x)
        x = F.relu(x)
        x = self.fc5(x)
        x = F.relu(x)
        x = self.fc6(x)
        x = F.relu(x)
        x = self.fc7(x)
        x = F.relu(x)
        x = self.fc8(x)
        x = F.relu(x)
        x = self.fc9(x)
        # 과제 1에서 채워주셔야 할 부분입니다!
        return x
```

결과

