

5.1 Logistic Regression: Prediction

LATEST SUBMISSION GRADE

100%

1. What line of code is equivalent to:

1 / 1 point

```
1 model = nn.Sequential(nn.Linear(2, 1), nn.Sigmoid())
```

☒

```
1 class logistic_regression(nn.Module):
2
3     # Constructor
4     def __init__(self, n_inputs):
5         super(logistic_regression, self).__init__()
6         self.linear = nn.Linear(n_inputs, 1)
7
8     # Prediction
9     def forward(self, x):
10         yhat = torch.sigmoid(self.linear(x))
11         return yhat
12
13 model = logistic_regression(1)
```

☐

```
1 yhat = torch.sigmoid(self.linear(x))
```

✓ Correct
correct

2. How would you apply the sigmoid function to the tensor z

1 / 1 point

```
1 z=torch.arange(-100,100,0.1).view(-1, 1)
```

☒

```
1 sig=nn. Sigmoid ()
2 yhat=sig(z)
3
```

✓ Correct
correct

☒

```
1 yhat= torch.sigmoid(z)
2
```

✓ Correct
correct