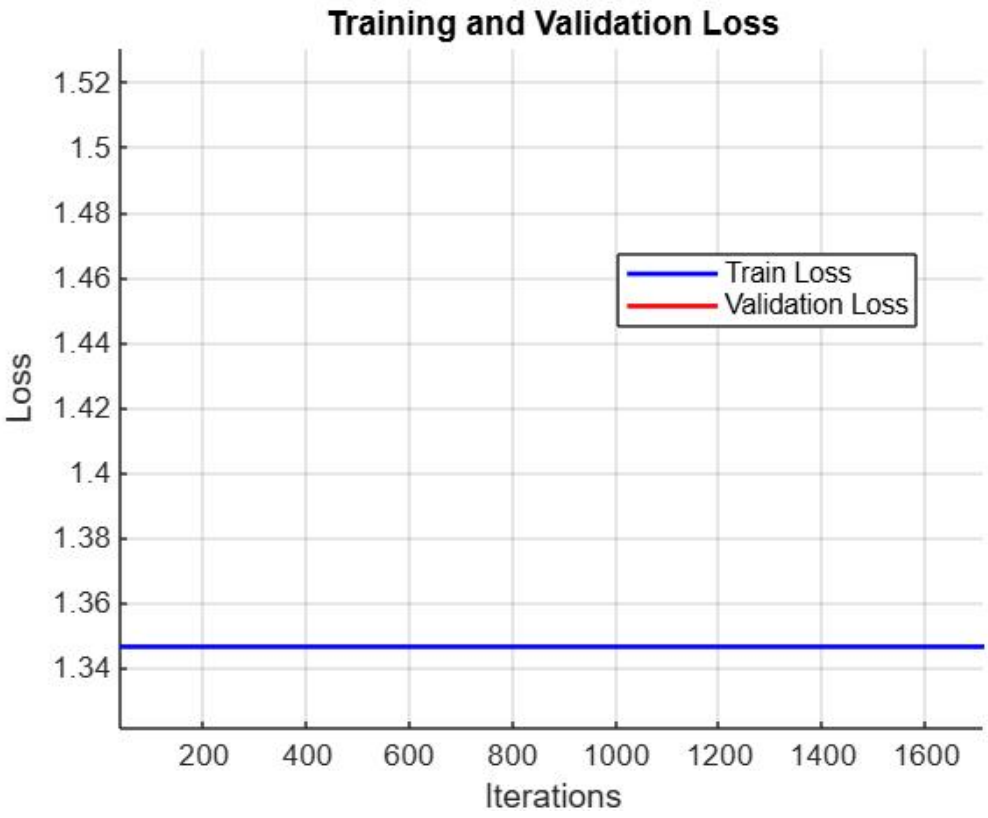
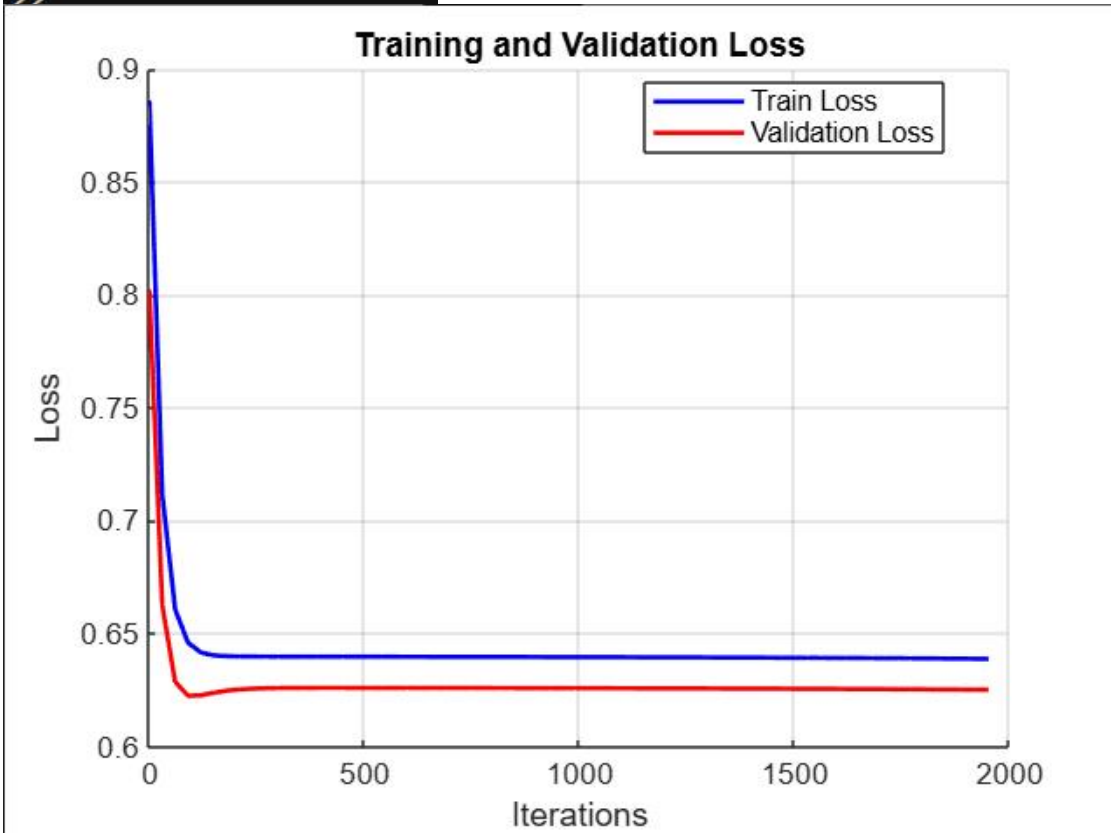
```
layers = [num_features, 2, 2,2, num_outputs];
num_layers = length(layers) - 1;
learning_rate = 0.01;
epochs = 2000;
validate_every = 30;
activation_func = 'relu'; % Choose: 'relu', '
```

```
>> Dl_code_final
Test MSE: 1.3269
Test Accuracy: 0.0000
Final Test Loss: 1.3269
```



```
layers = [num_features, 6, 6,2, num_outputs];
num_layers = length(layers) - 1;
learning_rate = 0.01;
epochs = 2000;
validate_every = 30;
activation_func = 'relu'; % Choose: 'relu', 's
```

```
>> Dl_code_final
Test MSE: 0.5861
Test Accuracy: 0.3835
Final Test Loss: 0.5861
>>
```

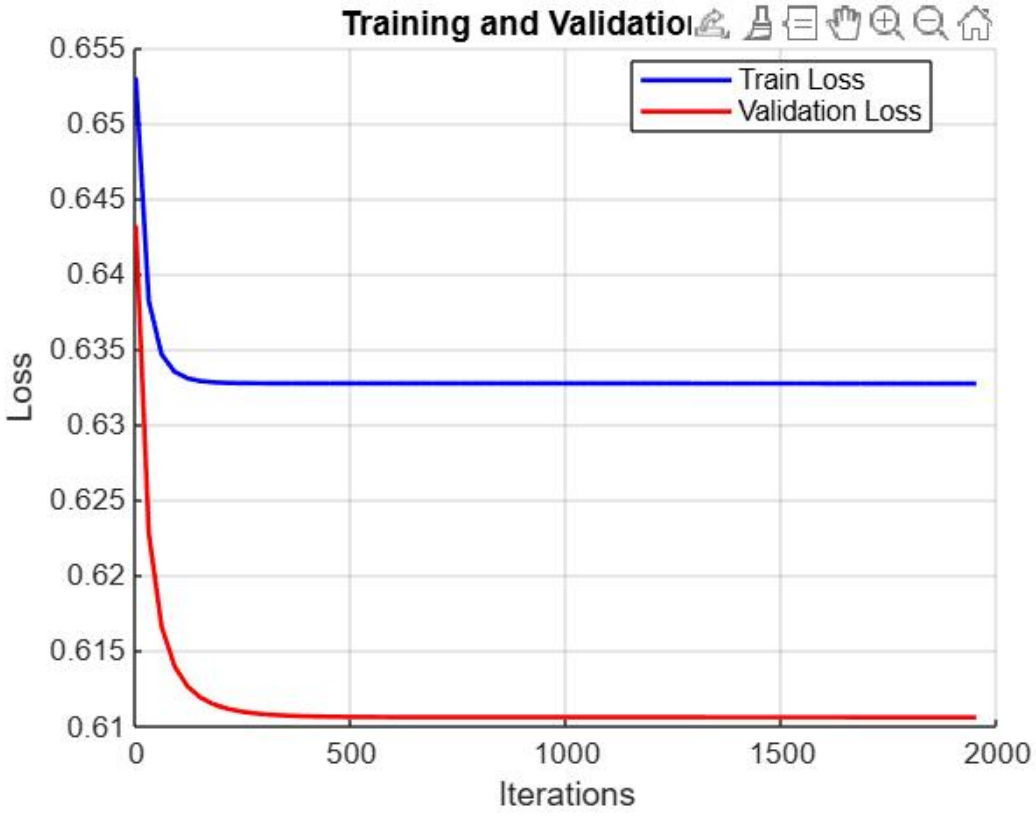


```
layers = [num_features, 6, 6,2, num_outputs]; %
num_layers = length(layers) - 1;
learning_rate = 0.1;
epochs = 2000;
validate_every = 30;
activation_func = 'relu'; % Choose: 'relu', 'si
```

```
>> Dl_code_final
Test MSE: 1.0516
Test Accuracy: 0.0000
Final Test Loss: 1.0516
```

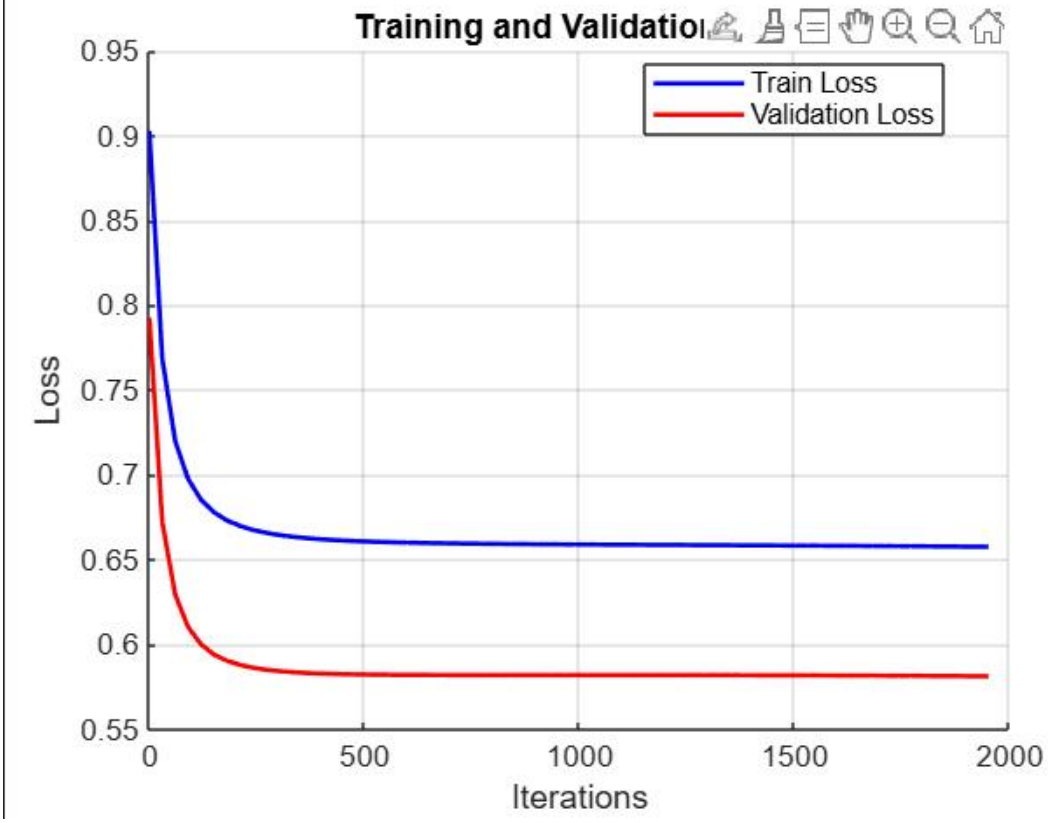
```
layers = [num_features, 6, 6,6, num_outputs]; % Cust
num_layers = length(layers) - 1;
learning_rate = 0.1;
epochs = 2000;
validate_every = 30;
activation_func = 'sigmoid'; % Choose: 'relu', 'sigm
```

```
>> Dl_code_final
Test MSE: 0.6242
Test Accuracy: 0.3714
Final Test Loss: 0.6242
```



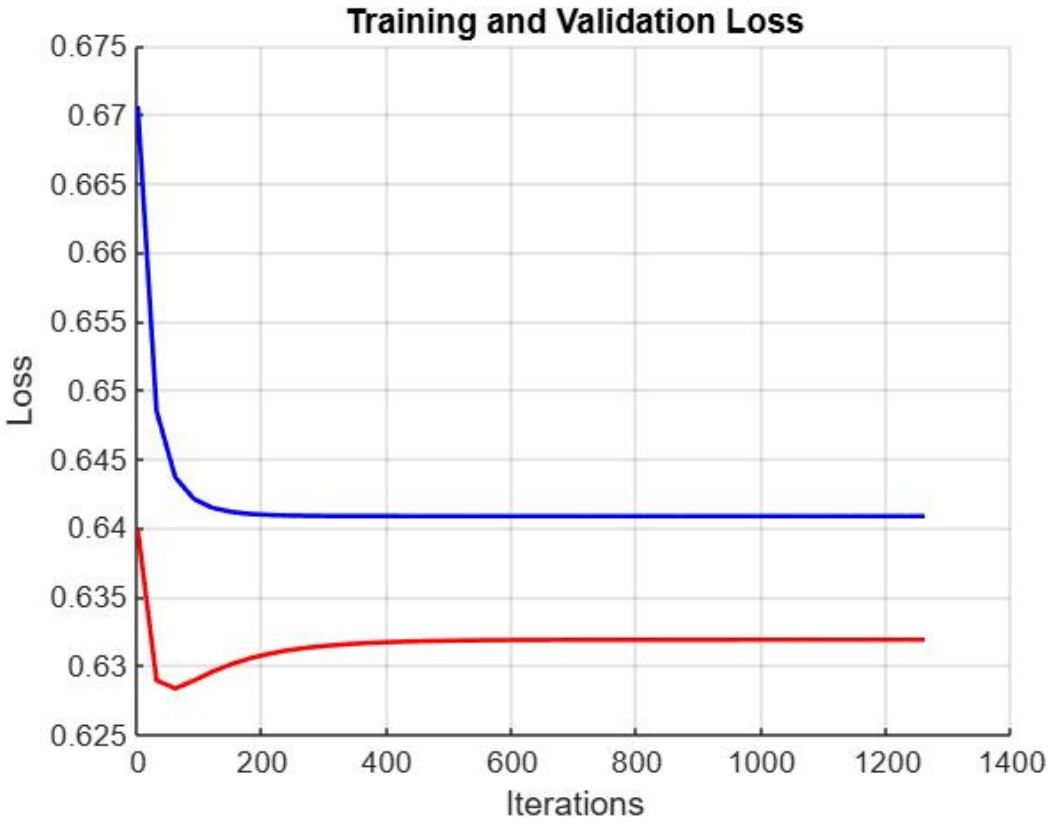
```
layers = [num_features, 6, 6,6, num_outputs]; % Cust
num_layers = length(layers) - 1;
learning_rate = 0.01;
epochs = 2000;
validate_every = 30;
activation_func = 'tanh'; % Choose: 'relu', 'sigmoi
```

```
>> Dl_code_final
Test MSE: 0.5427
Test Accuracy: 0.3439
Final Test Loss: 0.5427
```



```
layers = [num_features, 100,100,100,100,100 num_outputs];
num_layers = length(layers) - 1;
learning_rate = 0.01;
epochs = 2000;
validate_every = 30;
activation_func = 'sigmoid'; % Choose: 'relu', 'sigmoid',
```

```
>> Dl_code_final
Test MSE: 0.7121
Test Accuracy: 0.3905
Final Test Loss: 0.7121
```



```
layers = [num_features, 100,100,100,100,100 num_outputs]; %
num_layers = length(layers) - 1;
learning_rate = 0.01;
epochs = 5;
validate_every = 30;
activation_func = 'sigmoid'; % Choose: 'relu', 'sigmoid', '
```

```
Test MSE: 0.8195
Test Accuracy: 0.2170
Final Test Loss: 0.8195
>>
```