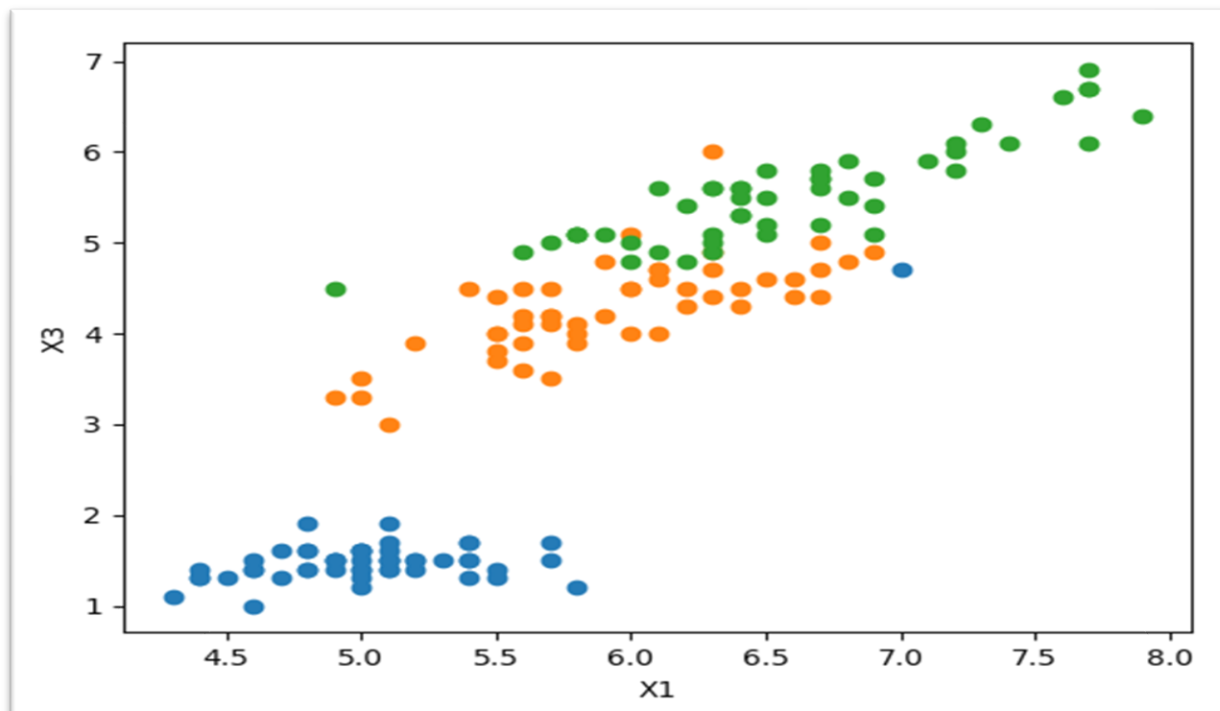
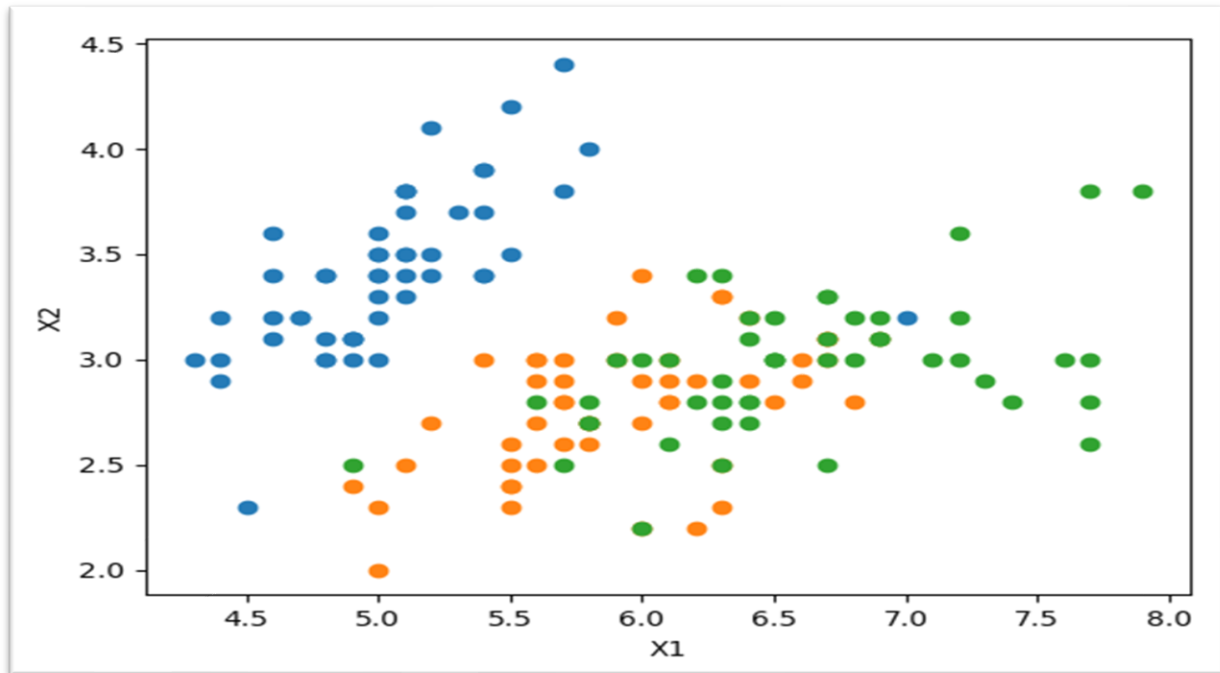
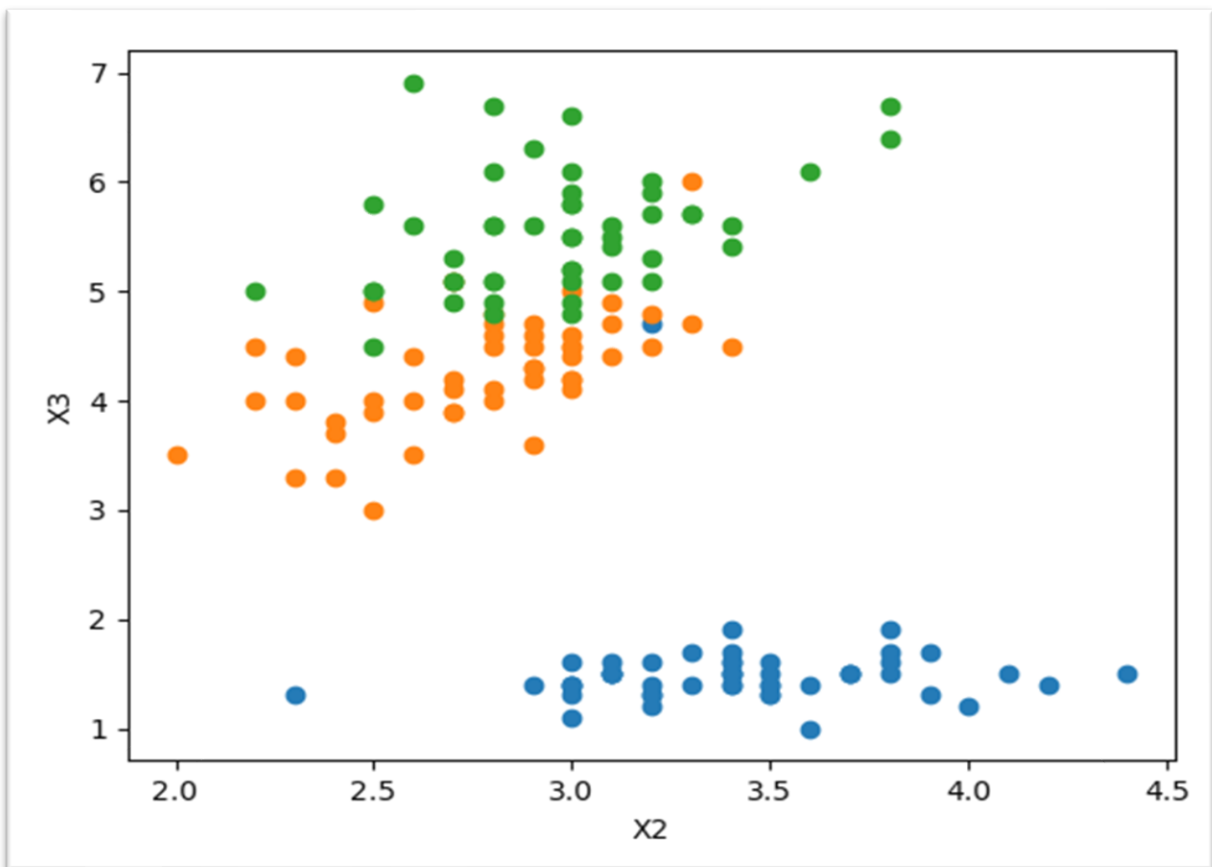
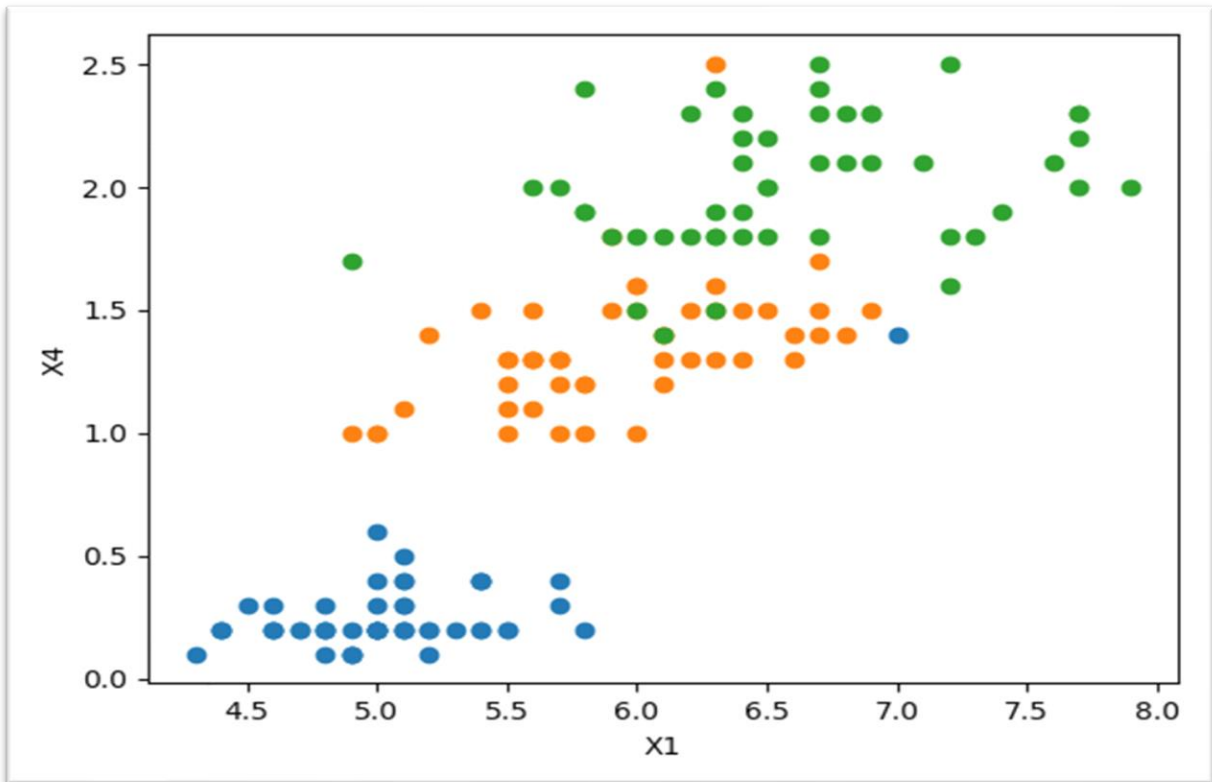


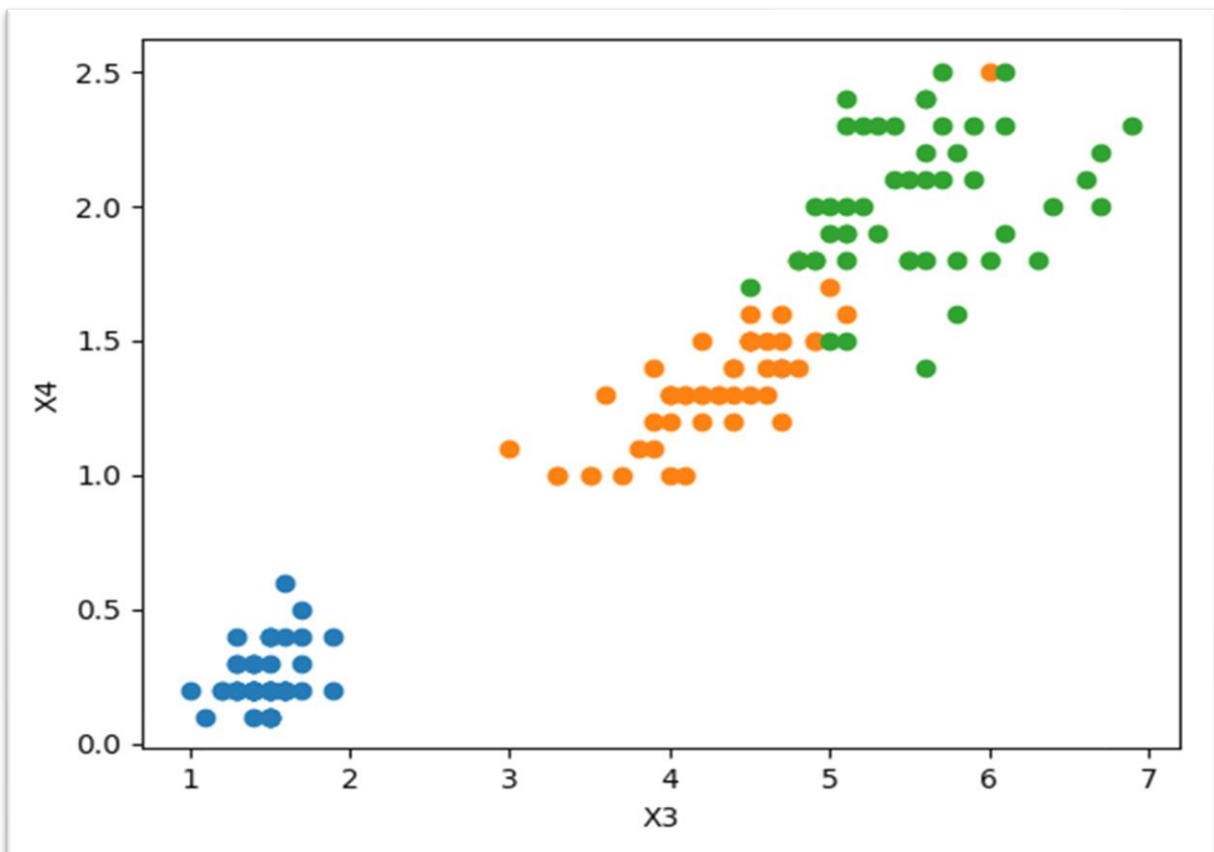
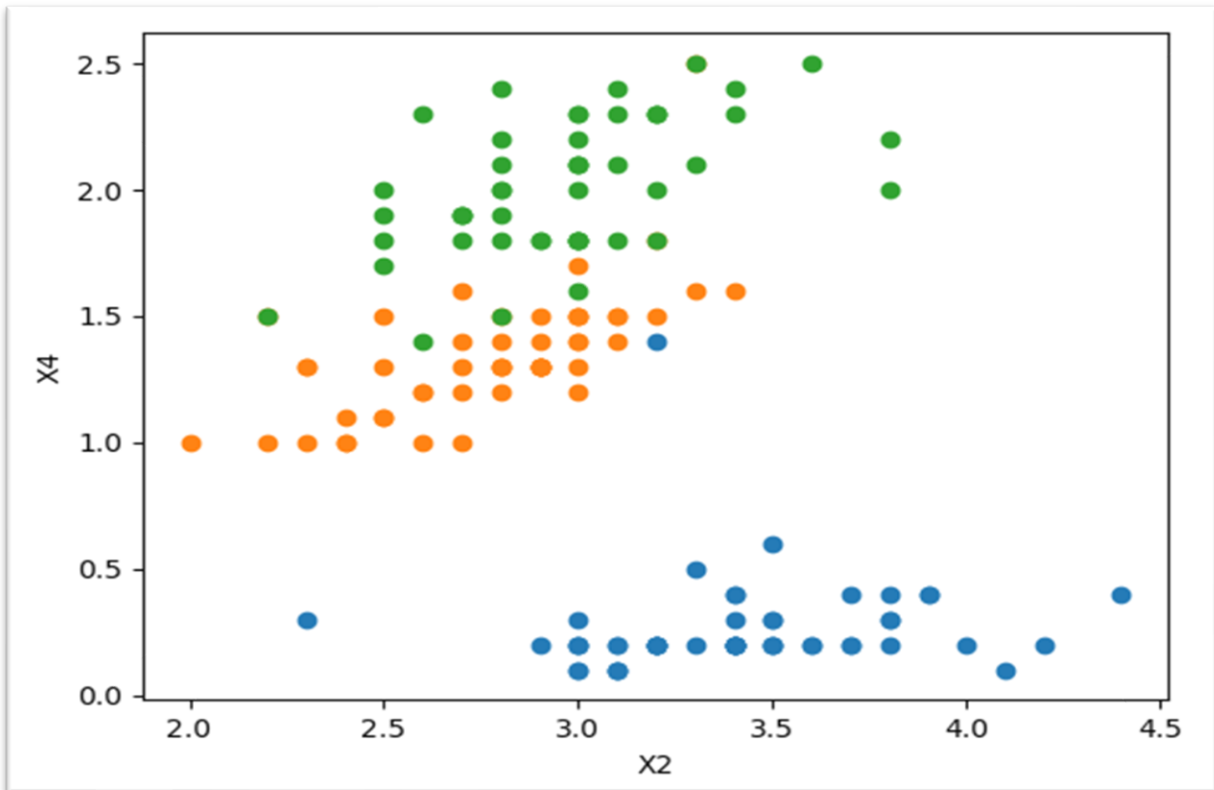
Neural Network Course

Task 1: Perceptron Learning Algorithm

➤ Screenshots for Data Spray







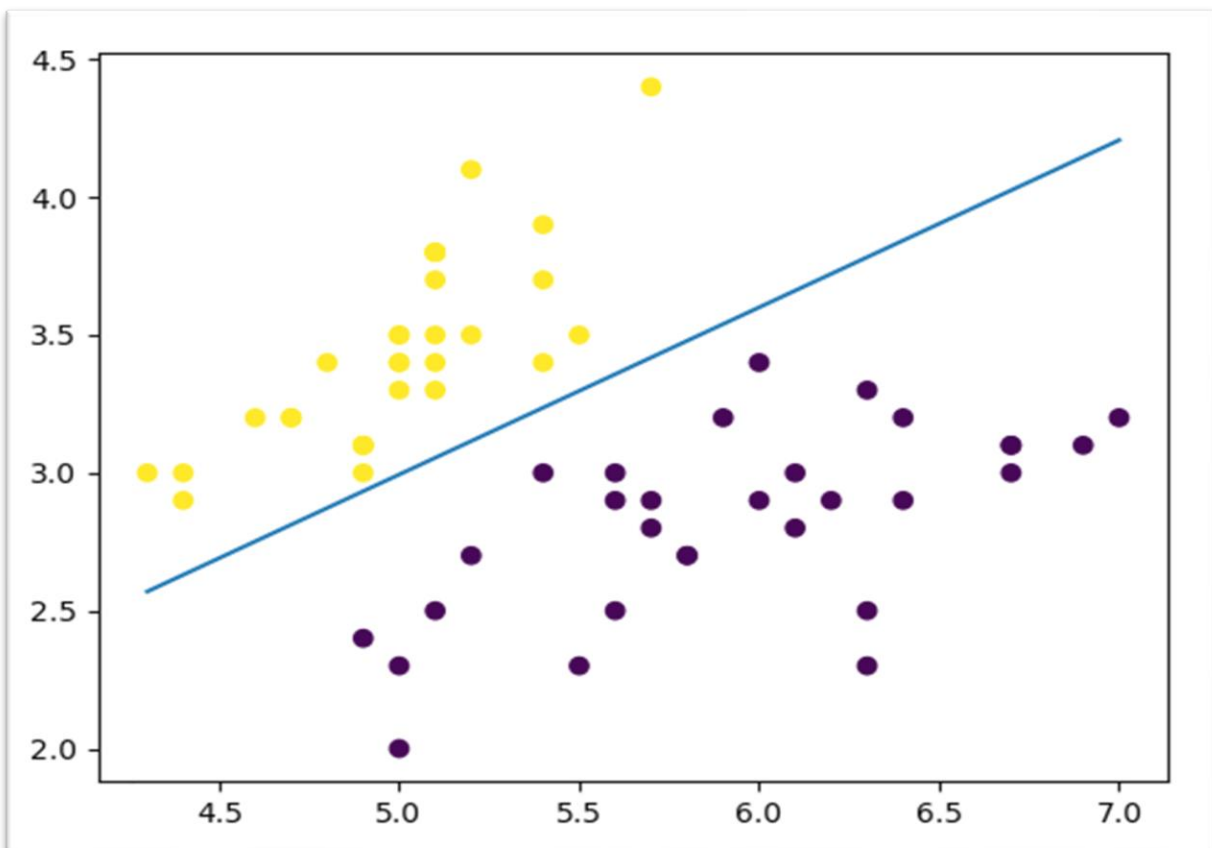
➤ Screenshots for output

```
The Test is Now Running ...
```

	actual	prediction	status
0	1.0	1	Matching
1	1.0	1	Matching
2	1.0	1	Matching
3	1.0	1	Matching
4	1.0	1	Matching
5	1.0	1	Matching
6	1.0	1	Matching
7	1.0	1	Matching
8	1.0	1	Matching
9	1.0	1	Matching
10	1.0	1	Matching
11	1.0	1	Matching
12	1.0	1	Matching
13	1.0	1	Matching
14	1.0	1	Matching
15	1.0	1	Matching
16	1.0	1	Matching
17	1.0	1	Matching
18	1.0	1	Matching
19	1.0	1	Matching
20	-1.0	-1	Matching
21	-1.0	1	Mismatching
22	-1.0	-1	Matching
23	-1.0	-1	Matching
24	-1.0	-1	Matching
25	-1.0	-1	Matching
26	-1.0	-1	Matching

```
27    -1.0      -1    Matching
28    -1.0      -1    Matching
29    -1.0      -1    Matching
30    -1.0      -1    Matching
31    -1.0      -1    Matching
32    -1.0      -1    Matching
33    -1.0      -1    Matching
34    -1.0      -1    Matching
35    -1.0      -1    Matching
36    -1.0      -1    Matching
37    -1.0      -1    Matching
38    -1.0      -1    Matching
39    -1.0      -1    Matching
accuracy: 0.975
```

➤ Fitting Line



➤ Test Case Data

- Selected Classes: C1 and C2
- Selected Features: X1 and X2
- Epochs: 1000
- Learning Rate: 0.01
- Use Bias: True