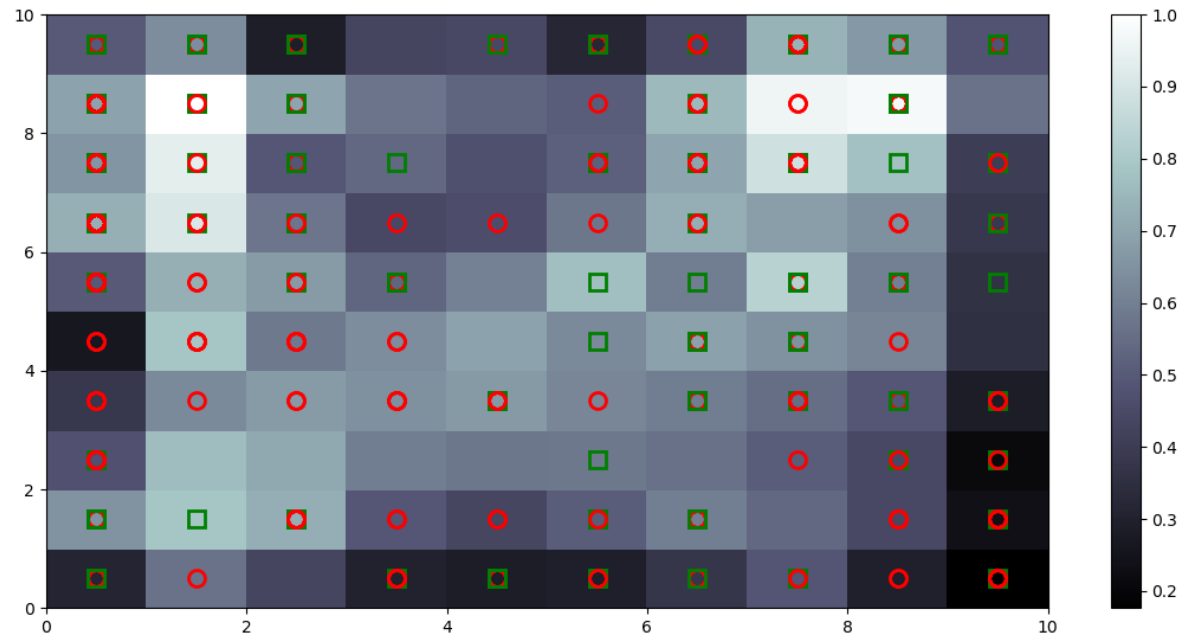


# Self-Organizing Map Algorithm on Diabetes Data



From the figure,

We can see that these are the,

1. Patient IDs Who are Falsely Diagnosed as no Diabetes

Patient ID

0	2.0
1	22.0
2	44.0
3	131.0
4	167.0

## 2. Patient IDs Who are Falsely Diagnosed as Diabetes

Patient ID	
0	24.0
1	25.0
2	86.0
3	88.0
4	159.0
5	215.0
6	254.0
7	298.0
8	306.0
9	323.0
10	358.0
11	375.0
12	455.0
13	154.0
14	185.0
15	209.0
16	238.0
17	327.0
18	408.0
19	69.0
20	73.0
21	110.0
22	132.0
23	144.0
24	189.0
25	195.0
26	199.0
27	244.0
28	335.0
29	415.0

We can conclude that,

Type 1 errors are more significantly dangerous than Type 2 error, because people of type 1 errors will not be diagnosed with diabetes, even though they have diabetes.

Type 2 errors will not be causing much of difference to any patient because, he is diagnosed even with or without diabetes as precautionary measure to them who doesn't have diabetes. And to those who have will diagnosed anyway.