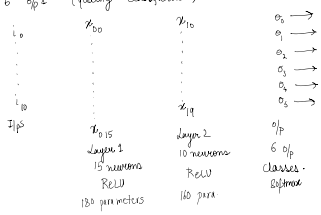
05 August 2022 16:09

RED WINE - QUALITY classification Dataset

1599 rows × 12 columns in the dataset

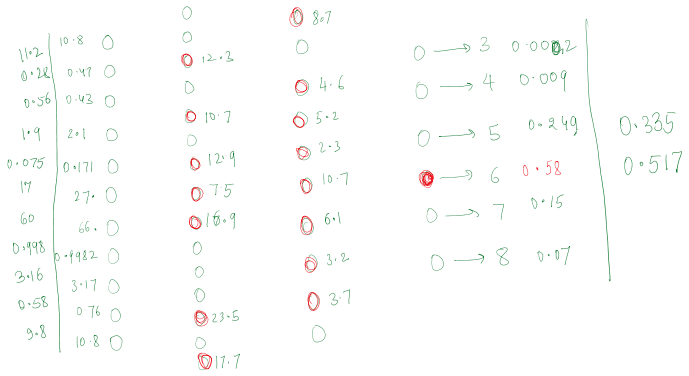
→ 11 input parameters
→ 6 o/p s (quality classification)

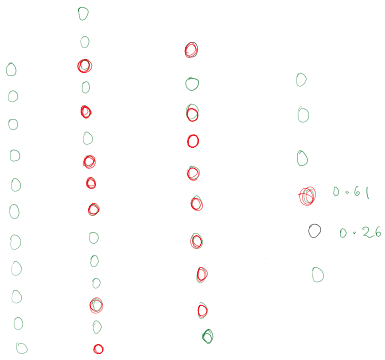
Sequential model
Dense layers.

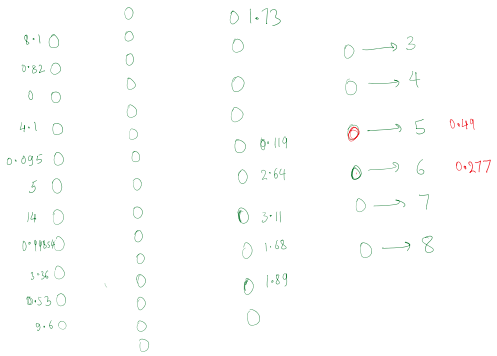


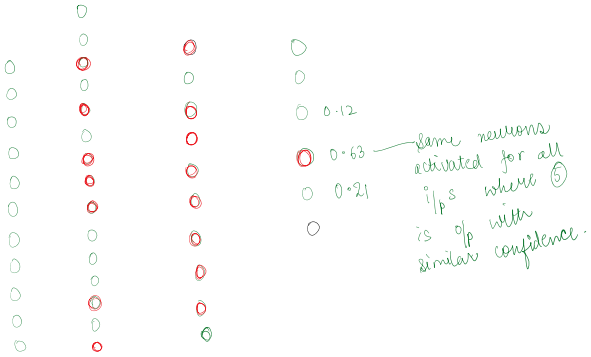
Note: ① np.set_printoptions(suppress=True) — to print as float instead of $1e^{-x}$

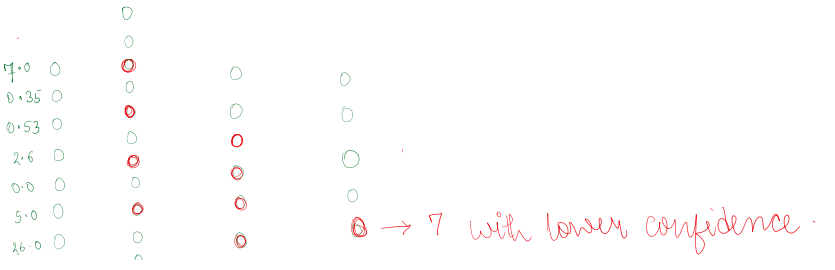
② prediction = model.predict(x_test[:1])
print(prediction)
print(prediction.shape)

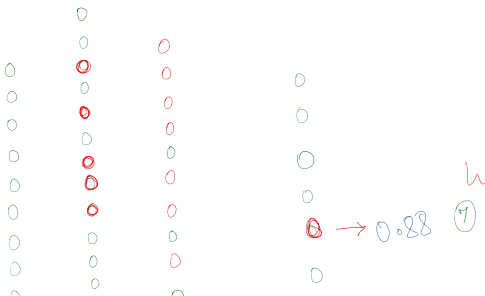




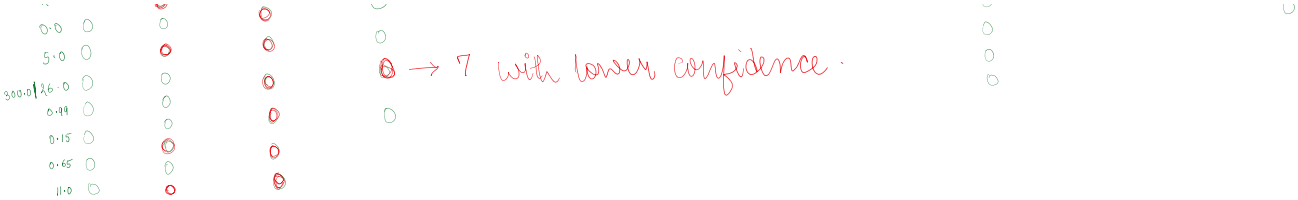


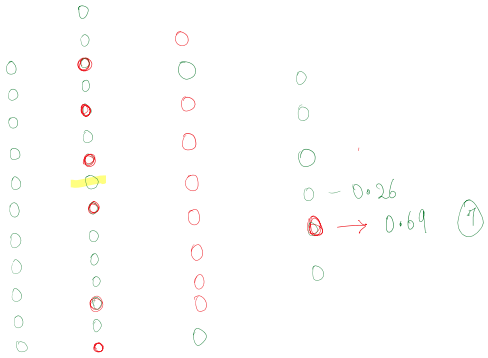




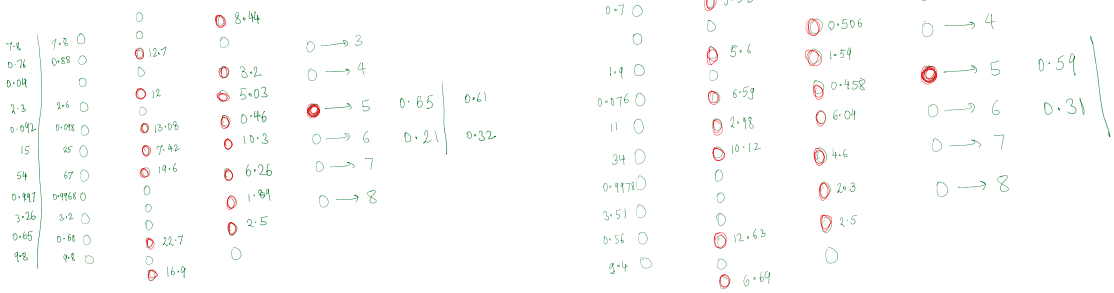


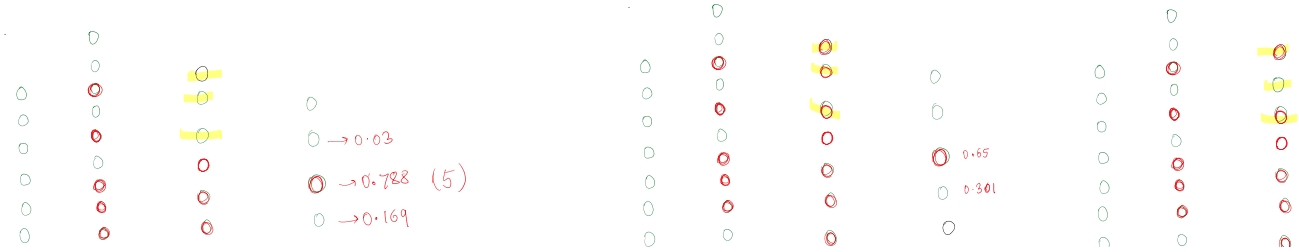
i conf


0.0
5.0
300.0 26.0
0.99
0.15
0.65
11.0
→ 7 with lower confidence.


- 0.26
→ 0.69 (7)


→ 7 with
high confidence
0.31
→ 0.653 (7)
+
for 0.82

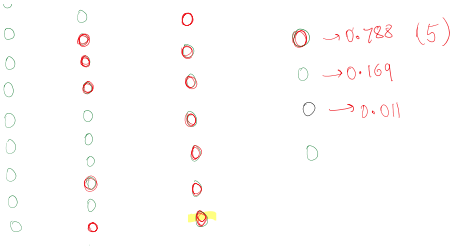

7.8
0.76
0.018
2.3
0.092
15
54
0.997
3.26
0.65
9.8
1.2
0.88
2.6
0.098
25
67
0.9968
3.2
0.68
9.2
12.7
12
13.08
7.42
19.6
22.7
16.9
8.144
3.2
5.03
0.146
10.3
6.26
1.89
2.5
→ 3
→ 4
→ 5
→ 6
→ 7
→ 8
0.85
0.21
0.61
0.32
7.4
0.7
1.9
0.076
11
34
0.9978
3.51
0.56
9.4
3.53
5.6
6.59
2.98
10.12
12.63
6.69
4.35
0.506
1.59
0.458
6.04
4.6
2.3
2.5
→ 3
→ 4
→ 5
→ 6
→ 7
→ 8
0.59
0.31


→ 0.03
→ 0.788 (5)
→ 0.169
0.65
0.301

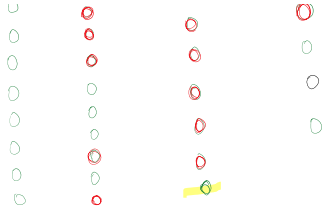
0.012

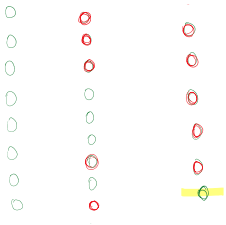
0.55

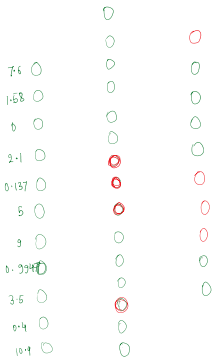
0.39

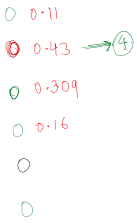


→ 0.788 (5)
→ 0.169
→ 0.011






7·6
1·68
0
2·1
0·137
5
9
0·394
3·5
0·4
10·9


0·11
0·43
4
0·309
0·16

0.55

0.39