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ECE 1395

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sizeofX_train_0 =

356 8

sizeofX_train_1 =

184 8

mean_std_table =

16×4 table

feature	class	mean	std
x1	0	3.3006	3.0214
x2	0	110.19	26.724
x3	0	68.084	18.947
x4	0	19.913	14.528
x5	0	73.562	106.91
x6	0	30.125	7.4741
x7	0	0.42292	0.28869

x8	0	31.157	11.816
x1	1	4.913	3.0214
x2	1	143.59	26.724
x3	1	71.234	18.947
x4	1	23.424	14.528
x5	1	109.16	106.91
x6	1	35.137	7.4741
x7	1	0.56854	0.28869
x8	1	36.348	11.816

accuracy =

0.7061

sizeC =

8 8

C:

11.2595	11.5093	7.5728	-6.1932	-29.3263	0.5589	-0.0112	22.2208
11.5093	1.0632e+03	103.6423	39.5216	1.4258e+03	58.9552	1.4617	86.9554
7.5728	103.6423	376.7971	68.8640	226.5717	43.1783	0.4058	42.8336
-6.1932	39.5216	68.8640	246.1569	815.8166	45.2567	1.0517	-19.2553
-29.3263	1.4258e+03	226.5717	815.8166	1.4657e+04	187.2476	7.0511	-71.7779
0.5589	58.9552	43.1783	45.2567	187.2476	57.8733	0.3688	3.9136
-0.0112	1.4617	0.4058	1.0517	7.0511	0.3688	0.1105	0.1525
22.2208	86.9554	42.8336	-19.2553	-71.7779	3.9136	0.1525	137.0075

accuracy =

0.3684