The best parameters are: {'C': 1, 'gamma': 10, 'kernel': 'rbf'}

Number	Parameters	Validation score	Train score
70	{'C': 1, 'gamma': 10, 'kernel': 'rbf'}	0.876417	0.902746
52	{'C': 0.5, 'gamma': 10, 'kernel': 'rbf'}	0.875848	0.891534
103	{'C': 10, 'gamma': 1, 'kernel': 'rbf'}	0.875843	0.890684
85	{'C': 5, 'gamma': 1, 'kernel': 'rbf'}	0.875561	0.886747
68	{'C': 1, 'gamma': 1, 'kernel': 'poly'}	0.872445	0.882401
121	{'C': 100, 'gamma': 1, 'kernel': 'rbf'}	0.871881	0.912257
86	{'C': 5, 'gamma': 1, 'kernel': 'poly'}	0.871593	0.889235
50	{'C': 0.5, 'gamma': 1, 'kernel': 'poly'}	0.871311	0.880071
17	{'C': 0.01, 'gamma': 10, 'kernel': 'poly'}	0.870177	0.893487
104	{'C': 10, 'gamma': 1, 'kernel': 'poly'}	0.870177	0.893487
118	{'C': 100, 'gamma': 0.1, 'kernel': 'rbf'}	0.869894	0.881047
67	{'C': 1, 'gamma': 1, 'kernel': 'rbf'}	0.869893	0.875126
88	{'C': 5, 'gamma': 10, 'kernel': 'rbf'}	0.866776	0.938398

| 49 | {'C': 0.5, 'gamma': 1, 'kernel': 'rbf'} | 0.866208 | 0.87163 |

| 106 | {'C': 10, 'gamma': 10, 'kernel': 'rbf'} | 0.862808 | 0.952664 |

| 32 | {'C': 0.1, 'gamma': 1, 'kernel': 'poly'} | 0.861957 | 0.865457 |

| 119 | {'C': 100, 'gamma': 0.1, 'kernel': 'poly'} | 0.861957 | 0.865457 |

| 100 | {'C': 10, 'gamma': 0.1, 'kernel': 'rbf'} | 0.859406 | 0.865709 |

| 122 | {'C': 100, 'gamma': 1, 'kernel': 'poly'} | 0.858276 | 0.91295 |

| 35 | {'C': 0.1, 'gamma': 10, 'kernel': 'poly'} | 0.858276 | 0.91295 |

| 82 | {'C': 5, 'gamma': 0.1, 'kernel': 'rbf'} | 0.853739 | 0.857143 |

| 43 | {'C': 0.5, 'gamma': 0.01, 'kernel': 'rbf'} | 0.847506 | 0.847821 |

| 0 | {'C': 0.01, 'gamma': 0.0001, 'kernel': 'linear'} | 0.847506 | 0.847978 |

| 76 | {'C': 5, 'gamma': 0.001, 'kernel': 'rbf'} | 0.847506 | 0.847947 |

| 12 | {'C': 0.01, 'gamma': 1, 'kernel': 'linear'} | 0.847506 | 0.847978 |

| 3 | {'C': 0.01, 'gamma': 0.001, 'kernel': 'linear'} | 0.847506 | 0.847978 |

| 9 | {'C': 0.01, 'gamma': 0.1, 'kernel': 'linear'} | 0.847506 | 0.847978 |

| 15 | {'C': 0.01, 'gamma': 10, 'kernel': 'linear'} | 0.847506 | 0.847978 |

| 6 | {'C': 0.01, 'gamma': 0.01, 'kernel': 'linear'} | 0.847506 | 0.847978 |

14	{'C': 0.01, 'gamma': 1, 'kernel': 'poly'}	0.847504	0.848639
101	{'C': 10, 'gamma': 0.1, 'kernel': 'poly'}	0.847504	0.848639
53	{'C': 0.5, 'gamma': 10, 'kernel': 'poly'}	0.846942	0.924729
28	{'C': 0.1, 'gamma': 0.1, 'kernel': 'rbf'}	0.846937	0.846844
83	{'C': 5, 'gamma': 0.1, 'kernel': 'poly'}	0.846937	0.84801
31	{'C': 0.1, 'gamma': 1, 'kernel': 'rbf'}	0.846653	0.850277
84	{'C': 5, 'gamma': 1, 'kernel': 'linear'}	0.84637	0.846498
51	{'C': 0.5, 'gamma': 10, 'kernel': 'linear'}	0.84637	0.846372
54	{'C': 1, 'gamma': 0.0001, 'kernel': 'linear'}	0.84637	0.846372
24	{'C': 0.1, 'gamma': 0.01, 'kernel': 'linear'}	0.84637	0.846372
97	{'C': 10, 'gamma': 0.01, 'kernel': 'rbf'}	0.84637	0.846372
60	{'C': 1, 'gamma': 0.01, 'kernel': 'linear'}	0.84637	0.846372
61	{'C': 1, 'gamma': 0.01, 'kernel': 'rbf'}	0.84637	0.84634
72	{'C': 5, 'gamma': 0.0001, 'kernel': 'linear'}	0.84637	0.846498
63	{'C': 1, 'gamma': 0.1, 'kernel': 'linear'}	0.84637	0.846372

| 64 | {'C': 1, 'gamma': 0.1, 'kernel': 'rbf'} | 0.84637 | 0.846435 |

| 66 | {'C': 1, 'gamma': 1, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 87 | {'C': 5, 'gamma': 10, 'kernel': 'linear'} | 0.84637 | 0.846498 |

| 57 | {'C': 1, 'gamma': 0.001, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 94 | {'C': 10, 'gamma': 0.001, 'kernel': 'rbf'} | 0.84637 | 0.846372 |

| 46 | {'C': 0.5, 'gamma': 0.1, 'kernel': 'rbf'} | 0.84637 | 0.846372 |

| 109 | {'C': 100, 'gamma': 0.0001, 'kernel': 'rbf'} | 0.84637 | 0.846372 |

| 79 | {'C': 5, 'gamma': 0.01, 'kernel': 'rbf'} | 0.84637 | 0.846372 |

| 27 | {'C': 0.1, 'gamma': 0.1, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 78 | {'C': 5, 'gamma': 0.01, 'kernel': 'linear'} | 0.84637 | 0.846498 |

| 30 | {'C': 0.1, 'gamma': 1, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 81 | {'C': 5, 'gamma': 0.1, 'kernel': 'linear'} | 0.84637 | 0.846498 |

| 33 | {'C': 0.1, 'gamma': 10, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 21 | {'C': 0.1, 'gamma': 0.001, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 48 | {'C': 0.5, 'gamma': 1, 'kernel': 'linear'} | 0.84637 | 0.846372 |

| 112 | {'C': 100, 'gamma': 0.001, 'kernel': 'rbf'} | 0.84637 | 0.846372 |

18	{'C': 0.1, 'gamma': 0.0001, 'kernel': 'linear'}	0.84637	0.846372
75	{'C': 5, 'gamma': 0.001, 'kernel': 'linear'}	0.84637	0.846498
39	{'C': 0.5, 'gamma': 0.001, 'kernel': 'linear'}	0.84637	0.846372
115	{'C': 100, 'gamma': 0.01, 'kernel': 'rbf'}	0.84637	0.847128
42	{'C': 0.5, 'gamma': 0.01, 'kernel': 'linear'}	0.84637	0.846372
45	{'C': 0.5, 'gamma': 0.1, 'kernel': 'linear'}	0.84637	0.846372
36	{'C': 0.5, 'gamma': 0.0001, 'kernel': 'linear'}	0.84637	0.846372
69	{'C': 1, 'gamma': 10, 'kernel': 'linear'}	0.84637	0.846372
93	{'C': 10, 'gamma': 0.001, 'kernel': 'linear'}	0.846087	0.847695
90	{'C': 10, 'gamma': 0.0001, 'kernel': 'linear'}	0.846087	0.847695
102	{'C': 10, 'gamma': 1, 'kernel': 'linear'}	0.846087	0.847695
99	{'C': 10, 'gamma': 0.1, 'kernel': 'linear'}	0.846087	0.847695
105	{'C': 10, 'gamma': 10, 'kernel': 'linear'}	0.846087	0.847695
96	{'C': 10, 'gamma': 0.01, 'kernel': 'linear'}	0.846087	0.847695
123	{'C': 100, 'gamma': 10, 'kernel': 'linear'}	0.845521	0.847978

| 120 | {'C': 100, 'gamma': 1, 'kernel': 'linear'} | 0.845521 | 0.847978 |

| 117 | {'C': 100, 'gamma': 0.1, 'kernel': 'linear'} | 0.845521 | 0.847978 |

| 114 | {'C': 100, 'gamma': 0.01, 'kernel': 'linear'} | 0.845521 | 0.847978 |

| 108 | {'C': 100, 'gamma': 0.0001, 'kernel': 'linear'} | 0.845521 | 0.847978 |

| 111 | {'C': 100, 'gamma': 0.001, 'kernel': 'linear'} | 0.845521 | 0.847978 |

| 34 | {'C': 0.1, 'gamma': 10, 'kernel': 'rbf'} | 0.842967 | 0.855946 |

| 71 | {'C': 1, 'gamma': 10, 'kernel': 'poly'} | 0.842407 | 0.930745 |

| 25 | {'C': 0.1, 'gamma': 0.01, 'kernel': 'rbf'} | 0.842119 | 0.842624 |

| 58 | {'C': 1, 'gamma': 0.001, 'kernel': 'rbf'} | 0.842119 | 0.84253 |

| 91 | {'C': 10, 'gamma': 0.0001, 'kernel': 'rbf'} | 0.842118 | 0.842435 |

| 13 | {'C': 0.01, 'gamma': 1, 'kernel': 'rbf'} | 0.839851 | 0.840073 |

| 89 | {'C': 5, 'gamma': 10, 'kernel': 'poly'} | 0.835033 | 0.944098 |

| 10 | {'C': 0.01, 'gamma': 0.1, 'kernel': 'rbf'} | 0.834749 | 0.834467 |

| 124 | {'C': 100, 'gamma': 10, 'kernel': 'rbf'} | 0.834738 | 0.988757 |

| 107 | {'C': 10, 'gamma': 10, 'kernel': 'poly'} | 0.828514 | 0.949862 |

| 125 | {'C': 100, 'gamma': 10, 'kernel': 'poly'} | 0.800737 | 0.969356 |

65	{'C': 1, 'gamma': 0.1, 'kernel': 'poly'}	0.786846	0.787383
47	{'C': 0.5, 'gamma': 0.1, 'kernel': 'poly'}	0.782877	0.78288
73	{'C': 5, 'gamma': 0.0001, 'kernel': 'rbf'}	0.774662	0.776171
40	{'C': 0.5, 'gamma': 0.001, 'kernel': 'rbf'}	0.774095	0.775699
16	{'C': 0.01, 'gamma': 10, 'kernel': 'rbf'}	0.708328	0.710129
77	{'C': 5, 'gamma': 0.001, 'kernel': 'poly'}	0.639172	0.639172
20	{'C': 0.1, 'gamma': 0.0001, 'kernel': 'poly'}	0.639172	0.639172
113	{'C': 100, 'gamma': 0.001, 'kernel': 'poly'}	0.639172	0.639172
19	{'C': 0.1, 'gamma': 0.0001, 'kernel': 'rbf'}	0.639172	0.639172
116	{'C': 100, 'gamma': 0.01, 'kernel': 'poly'}	0.639172	0.639172
11	{'C': 0.01, 'gamma': 0.1, 'kernel': 'poly'}	0.639172	0.639172
8	{'C': 0.01, 'gamma': 0.01, 'kernel': 'poly'}	0.639172	0.639172
7	{'C': 0.01, 'gamma': 0.01, 'kernel': 'rbf'}	0.639172	0.639172
5	{'C': 0.01, 'gamma': 0.001, 'kernel': 'poly'}	0.639172	0.639172
4	{'C': 0.01, 'gamma': 0.001, 'kernel': 'rbf'}	0.639172	0.639172

| 2 | {'C': 0.01, 'gamma': 0.0001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 1 | {'C': 0.01, 'gamma': 0.0001, 'kernel': 'rbf'} | 0.639172 | 0.639172 |

| 22 | {'C': 0.1, 'gamma': 0.001, 'kernel': 'rbf'} | 0.639172 | 0.639172 |

| 110 | {'C': 100, 'gamma': 0.0001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 26 | {'C': 0.1, 'gamma': 0.01, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 80 | {'C': 5, 'gamma': 0.01, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 29 | {'C': 0.1, 'gamma': 0.1, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 37 | {'C': 0.5, 'gamma': 0.0001, 'kernel': 'rbf'} | 0.639172 | 0.639172 |

| 38 | {'C': 0.5, 'gamma': 0.0001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 41 | {'C': 0.5, 'gamma': 0.001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 44 | {'C': 0.5, 'gamma': 0.01, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 55 | {'C': 1, 'gamma': 0.0001, 'kernel': 'rbf'} | 0.639172 | 0.639172 |

| 56 | {'C': 1, 'gamma': 0.0001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 98 | {'C': 10, 'gamma': 0.01, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 59 | {'C': 1, 'gamma': 0.001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

| 95 | {'C': 10, 'gamma': 0.001, 'kernel': 'poly'} | 0.639172 | 0.639172 |

74	{'C': 5, 'gamma': 0.0001, 'kernel': 'poly'}	0.639172	0.639172
92	{'C': 10, 'gamma': 0.0001, 'kernel': 'poly'}	0.639172	0.639172
23	{'C': 0.1, 'gamma': 0.001, 'kernel': 'poly'}	0.639172	0.639172
62	{'C': 1, 'gamma': 0.01, 'kernel': 'poly'}	0.639172	0.639172