資料集為分類，選擇使用SVC

[Parallel(n\_jobs=1)]: Done 42 out of 42 | elapsed: 3.3s finished

0.502 (+/-0.002) for {'C': 0.001, 'gamma': 0.001} accuracy: 52.86%

0.502 (+/-0.002) for {'C': 0.001, 'gamma': 0.0001} accuracy: 52.86%

0.502 (+/-0.002) for {'C': 0.01, 'gamma': 0.001} accuracy: 52.86%

0.502 (+/-0.002) for {'C': 0.01, 'gamma': 0.0001} accuracy: 52.86%

0.632 (+/-0.010) for {'C': 0.1, 'gamma': 0.001} accuracy: 66.33%

0.690 (+/-0.007) for {'C': 0.1, 'gamma': 0.0001} accuracy: 71.38%

0.716 (+/-0.009) for {'C': 1, 'gamma': 0.001} accuracy: 69.70%

0.734 (+/-0.012) for {'C': 1, 'gamma': 0.0001} accuracy: 70.71%

0.717 (+/-0.015) for {'C': 10, 'gamma': 0.001} accuracy: 70.37%

0.727 (+/-0.010) for {'C': 10, 'gamma': 0.0001} accuracy: 71.38%

0.716 (+/-0.017) for {'C': 100, 'gamma': 0.001} accuracy: 69.70%

0.716 (+/-0.011) for {'C': 100, 'gamma': 0.0001} accuracy: 69.70%

0.700 (+/-0.013) for {'C': 1000, 'gamma': 0.001} accuracy: 70.03%

0.724 (+/-0.011) for {'C': 1000, 'gamma': 0.0001} accuracy: 68.69%

best parameters:

{'C': 1, 'cache\_size': 200, 'class\_weight': None, 'coef0': 0.0, 'decision\_function\_shape': 'ovr', 'degree': 3, 'gamma': 0.0001, 'kernel': 'rbf', 'max\_iter': -1, 'probability': True, 'random\_state': None, 'shrinking': True, 'tol': 0.001, 'verbose': False}

test best accuracy: 70.71%

train best accuracy: 83.55%