Best parameters and best score for running the methods on SVM model.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Method** | **C** | **gamma** | **kernel** | **Best Score** |
| GridSearch | 0.1 | 1 | rbf | 1.0 |
| RandomSearch | 0.1 | 0.1 | rbf | 1.0 |
| Bayesian Search | 0.1313809038296496 | 0.22358327693552518 | rbf | 1.0 |

C:\Users\simon\PycharmProjects\bootcamp\venv\Scripts\python.exe C:/Users/simon/PycharmProjects/bootcamp/Assignment9/svm.py

Index(['Age', 'Sex', 'ChestPainType', 'RestingBP', 'Cholesterol', 'FastingBS',

'RestingECG', 'MaxHR', 'ExerciseAngina', 'Oldpeak', 'ST\_Slope',

'HeartDisease'],

dtype='object')

<class 'pandas.core.frame.DataFrame'>

RangeIndex: 918 entries, 0 to 917

Data columns (total 17 columns):

# Column Non-Null Count Dtype

--- ------ -------------- -----

0 Age 918 non-null int64

1 RestingBP 918 non-null int64

2 Cholesterol 918 non-null int64

3 FastingBS 918 non-null int64

4 RestingECG 918 non-null int64

5 MaxHR 918 non-null int64

6 Oldpeak 918 non-null float64

7 ST\_Slope 918 non-null int64

8 HeartDisease 918 non-null int64

9 Sex\_F 918 non-null uint8

10 Sex\_M 918 non-null uint8

11 ChestPainType\_ASY 918 non-null uint8

12 ChestPainType\_ATA 918 non-null uint8

13 ChestPainType\_NAP 918 non-null uint8

14 ChestPainType\_TA 918 non-null uint8

15 ExerciseAngina\_N 918 non-null uint8

16 ExerciseAngina\_Y 918 non-null uint8

dtypes: float64(1), int64(8), uint8(8)

memory usage: 71.8 KB

None

Fitting 5 folds for each of 36 candidates, totalling 180 fits

[CV 3/5] END ........C=0.1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END ........C=0.1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END ........C=0.1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ........C=0.1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ........C=0.1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END .....C=0.1, gamma=1, kernel=linear;, score=0.870 total time= 0.1s

[CV 1/5] END .....C=0.1, gamma=1, kernel=linear;, score=0.870 total time= 0.2s

[CV 1/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END .....C=0.1, gamma=1, kernel=linear;, score=0.855 total time= 0.2s

[CV 2/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END .....C=0.1, gamma=1, kernel=linear;, score=0.928 total time= 0.3s

[CV 5/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END .....C=0.1, gamma=1, kernel=linear;, score=0.870 total time= 0.2s

[CV 3/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.1s

[CV 1/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.2s

[CV 1/5] END ..C=0.1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ..C=0.1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ..C=0.1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.855 total time= 0.2s

[CV 4/5] END ..C=0.1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ..C=0.1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .....C=0.1, gamma=0.01, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END .....C=0.1, gamma=0.01, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END .....C=0.1, gamma=0.01, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END .....C=0.1, gamma=0.01, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END .....C=0.1, gamma=0.01, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.928 total time= 0.3s

[CV 5/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.2s

[CV 1/5] END ..C=0.1, gamma=0.01, kernel=linear;, score=0.870 total time= 0.2s

[CV 3/5] END ..C=0.1, gamma=0.01, kernel=linear;, score=0.870 total time= 0.1s

[CV 1/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ..C=0.1, gamma=0.01, kernel=linear;, score=0.855 total time= 0.2s

[CV 2/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ..........C=1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END ..........C=1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ..........C=1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ..........C=1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ..........C=1, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ..C=0.1, gamma=0.01, kernel=linear;, score=0.928 total time= 0.3s

[CV 5/5] END ..C=0.1, gamma=0.01, kernel=linear;, score=0.870 total time= 0.2s

[CV 2/5] END ......C=1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ......C=1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ......C=1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ......C=1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ........C=1, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 2/5] END ........C=1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ........C=1, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 4/5] END ........C=1, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END ........C=1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END .......C=1, gamma=1, kernel=linear;, score=0.870 total time= 2.4s

[CV 1/5] END ......C=1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .......C=1, gamma=1, kernel=linear;, score=0.913 total time= 2.8s

[CV 1/5] END .....C=1, gamma=0.1, kernel=linear;, score=0.913 total time= 2.8s

[CV 4/5] END .....C=1, gamma=0.1, kernel=linear;, score=0.928 total time= 2.4s

[CV 5/5] END .....C=1, gamma=0.1, kernel=linear;, score=0.870 total time= 2.4s

[CV 2/5] END .....C=1, gamma=0.1, kernel=linear;, score=0.870 total time= 5.7s

[CV 1/5] END ....C=1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ....C=1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ....C=1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ....C=1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=1, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .......C=1, gamma=0.01, kernel=rbf;, score=0.754 total time= 0.0s

[CV 2/5] END .......C=1, gamma=0.01, kernel=rbf;, score=0.841 total time= 0.0s

[CV 3/5] END .......C=1, gamma=0.01, kernel=rbf;, score=0.855 total time= 0.0s

[CV 4/5] END .......C=1, gamma=0.01, kernel=rbf;, score=0.884 total time= 0.0s

[CV 3/5] END .......C=1, gamma=1, kernel=linear;, score=0.870 total time= 8.5s

[CV 5/5] END .......C=1, gamma=0.01, kernel=rbf;, score=0.739 total time= 0.0s

[CV 2/5] END .......C=1, gamma=1, kernel=linear;, score=0.870 total time= 5.7s

[CV 4/5] END .......C=1, gamma=1, kernel=linear;, score=0.928 total time= 2.4s

[CV 1/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.913 total time= 2.9s

[CV 4/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.928 total time= 2.6s

[CV 2/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 6.0s

[CV 1/5] END ...C=1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ...C=1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ...C=1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ...C=1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ...C=1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .........C=10, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END .........C=10, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END .........C=10, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END .........C=10, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END .........C=10, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 2.5s

[CV 3/5] END .....C=1, gamma=0.1, kernel=linear;, score=0.870 total time= 9.0s

[CV 3/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 9.3s

[CV 2/5] END ......C=10, gamma=1, kernel=linear;, score=0.870 total time= 27.5s

[CV 3/5] END ......C=10, gamma=1, kernel=linear;, score=0.870 total time= 29.7s

[CV 1/5] END .....C=10, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END .....C=10, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END .....C=10, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END .....C=10, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END .....C=10, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .......C=10, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 2/5] END .......C=10, gamma=0.1, kernel=rbf;, score=0.971 total time= 0.0s

[CV 3/5] END .......C=10, gamma=0.1, kernel=rbf;, score=0.971 total time= 0.0s

[CV 4/5] END .......C=10, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END .......C=10, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 1/5] END ......C=10, gamma=1, kernel=linear;, score=0.913 total time= 35.2s

[CV 4/5] END ......C=10, gamma=1, kernel=linear;, score=0.928 total time= 33.3s

[CV 2/5] END ....C=10, gamma=0.1, kernel=linear;, score=0.870 total time= 29.6s

[CV 1/5] END ....C=10, gamma=0.1, kernel=linear;, score=0.913 total time= 37.8s

[CV 3/5] END ....C=10, gamma=0.1, kernel=linear;, score=0.870 total time= 32.0s

[CV 1/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.681 total time= 0.0s

[CV 2/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.754 total time= 0.0s

[CV 3/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.812 total time= 0.0s

[CV 4/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.841 total time= 0.0s

[CV 5/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.681 total time= 0.0s

[CV 5/5] END ......C=10, gamma=1, kernel=linear;, score=0.884 total time= 42.4s

[CV 4/5] END ....C=10, gamma=0.1, kernel=linear;, score=0.928 total time= 35.7s

[CV 2/5] END ...C=10, gamma=0.01, kernel=linear;, score=0.870 total time= 30.1s

[CV 1/5] END ...C=10, gamma=0.01, kernel=linear;, score=0.913 total time= 37.9s

[CV 5/5] END ....C=10, gamma=0.1, kernel=linear;, score=0.884 total time= 42.7s

[CV 1/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ........C=100, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END ........C=100, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ........C=100, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ........C=100, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ........C=100, gamma=1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ...C=10, gamma=0.01, kernel=linear;, score=0.870 total time= 32.3s

[CV 4/5] END ...C=10, gamma=0.01, kernel=linear;, score=0.928 total time= 35.8s

[CV 5/5] END ...C=10, gamma=0.01, kernel=linear;, score=0.884 total time= 43.1s

[CV 2/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 43.2s

[CV 1/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 1.3min

[CV 1/5] END ....C=100, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ....C=100, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ....C=100, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ....C=100, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=100, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ......C=100, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 2/5] END ......C=100, gamma=0.1, kernel=rbf;, score=0.971 total time= 0.0s

[CV 3/5] END ......C=100, gamma=0.1, kernel=rbf;, score=0.971 total time= 0.0s

[CV 4/5] END ......C=100, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END ......C=100, gamma=0.1, kernel=rbf;, score=0.986 total time= 0.0s

[CV 4/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 53.5s

[CV 3/5] END .....C=100, gamma=1, kernel=linear;, score=0.884 total time= 1.1min

[CV 2/5] END ...C=100, gamma=0.1, kernel=linear;, score=0.913 total time= 44.8s

[CV 5/5] END .....C=100, gamma=1, kernel=linear;, score=0.826 total time= 1.4min

[CV 1/5] END ...C=100, gamma=0.1, kernel=linear;, score=0.913 total time= 1.3min

[CV 1/5] END ..C=100, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ..C=100, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ..C=100, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ..C=100, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ..C=100, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END .....C=100, gamma=0.01, kernel=rbf;, score=0.667 total time= 0.0s

[CV 2/5] END .....C=100, gamma=0.01, kernel=rbf;, score=0.768 total time= 0.0s

[CV 3/5] END .....C=100, gamma=0.01, kernel=rbf;, score=0.812 total time= 0.0s

[CV 4/5] END .....C=100, gamma=0.01, kernel=rbf;, score=0.841 total time= 0.0s

[CV 5/5] END .....C=100, gamma=0.01, kernel=rbf;, score=0.681 total time= 0.0s

[CV 3/5] END ...C=100, gamma=0.1, kernel=linear;, score=0.884 total time= 1.2min

[CV 4/5] END ...C=100, gamma=0.1, kernel=linear;, score=0.913 total time= 54.6s

[CV 2/5] END ..C=100, gamma=0.01, kernel=linear;, score=0.913 total time= 45.9s

[CV 5/5] END ...C=100, gamma=0.1, kernel=linear;, score=0.826 total time= 1.4min

[CV 1/5] END ..C=100, gamma=0.01, kernel=linear;, score=0.913 total time= 1.3min

[CV 1/5] END .C=100, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END .C=100, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END .C=100, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END .C=100, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END .C=100, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ..C=100, gamma=0.01, kernel=linear;, score=0.884 total time= 1.0min

[CV 4/5] END ..C=100, gamma=0.01, kernel=linear;, score=0.913 total time= 46.1s

[CV 5/5] END ..C=100, gamma=0.01, kernel=linear;, score=0.826 total time= 47.7s

Results for GridSearchCV

Best parameters: {'C': 0.1, 'gamma': 1, 'kernel': 'rbf'}

Best score: 1.0

Best estimator: SVC(C=0.1, gamma=1)

Fitting 5 folds for each of 10 candidates, totalling 50 fits

[CV 1/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s[CV 2/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ......C=0.1, gamma=0.1, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=0.1, gamma=1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END .C=0.1, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.2s

[CV 2/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.855 total time= 0.3s

[CV 3/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.2s

[CV 4/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.928 total time= 0.4s

[CV 5/5] END ...C=0.1, gamma=0.1, kernel=linear;, score=0.870 total time= 0.2s

[CV 1/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ..C=10, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END ...C=10, gamma=0.1, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.681 total time= 0.0s

[CV 2/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.754 total time= 0.0s

[CV 3/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.812 total time= 0.0s

[CV 4/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.841 total time= 0.0s

[CV 5/5] END ......C=10, gamma=0.01, kernel=rbf;, score=0.681 total time= 0.0s

[CV 1/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.913 total time= 3.5s

[CV 2/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 7.2s

[CV 3/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 10.7s

[CV 4/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.928 total time= 3.1s

[CV 2/5] END ......C=10, gamma=1, kernel=linear;, score=0.870 total time= 29.4s

[CV 5/5] END ....C=1, gamma=0.01, kernel=linear;, score=0.870 total time= 3.0s

[CV 4/5] END ......C=10, gamma=1, kernel=linear;, score=0.928 total time= 35.4s

[CV 1/5] END ......C=10, gamma=1, kernel=linear;, score=0.913 total time= 37.7s

[CV 3/5] END ......C=10, gamma=1, kernel=linear;, score=0.870 total time= 34.5s

[CV 5/5] END ......C=10, gamma=1, kernel=linear;, score=0.884 total time= 45.8s

[CV 2/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 46.7s

[CV 1/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 1.3min

[CV 3/5] END .....C=100, gamma=1, kernel=linear;, score=0.884 total time= 1.1min

[CV 4/5] END .....C=100, gamma=1, kernel=linear;, score=0.913 total time= 46.4s

[CV 5/5] END .....C=100, gamma=1, kernel=linear;, score=0.826 total time= 56.4s

Results for RandomizedSearchCV

Best parameters: {'kernel': 'rbf', 'gamma': 0.1, 'C': 0.1}

Best score: 1.0

Best estimator: SVC(C=0.1, gamma=0.1)

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=6.477295484167821, gamma=0.19318190288739626, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END C=6.477295484167821, gamma=0.19318190288739626, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=6.477295484167821, gamma=0.19318190288739626, kernel=rbf;, score=0.986 total time= 0.0s

[CV 4/5] END C=6.477295484167821, gamma=0.19318190288739626, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END C=6.477295484167821, gamma=0.19318190288739626, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=0.1313809038296496, gamma=0.22358327693552518, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END C=0.1313809038296496, gamma=0.22358327693552518, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1313809038296496, gamma=0.22358327693552518, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1313809038296496, gamma=0.22358327693552518, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1313809038296496, gamma=0.22358327693552518, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=5.662935012752486, gamma=0.01258036225441045, kernel=rbf;, score=0.725 total time= 0.0s

[CV 2/5] END C=5.662935012752486, gamma=0.01258036225441045, kernel=rbf;, score=0.768 total time= 0.0s

[CV 3/5] END C=5.662935012752486, gamma=0.01258036225441045, kernel=rbf;, score=0.812 total time= 0.0s

[CV 4/5] END C=5.662935012752486, gamma=0.01258036225441045, kernel=rbf;, score=0.870 total time= 0.0s

[CV 5/5] END C=5.662935012752486, gamma=0.01258036225441045, kernel=rbf;, score=0.725 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 4/5] END C=7.099418080715866, gamma=0.5317503173941664, kernel=linear;, score=0.942 total time= 18.4s

[CV 3/5] END C=7.099418080715866, gamma=0.5317503173941664, kernel=linear;, score=0.870 total time= 20.3s

[CV 2/5] END C=7.099418080715866, gamma=0.5317503173941664, kernel=linear;, score=0.870 total time= 20.3s

[CV 1/5] END C=7.099418080715866, gamma=0.5317503173941664, kernel=linear;, score=0.913 total time= 25.7s

[CV 5/5] END C=7.099418080715866, gamma=0.5317503173941664, kernel=linear;, score=0.884 total time= 10.6s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=19.25308697856441, gamma=0.12353832966974806, kernel=rbf;, score=0.986 total time= 0.0s

[CV 2/5] END C=19.25308697856441, gamma=0.12353832966974806, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=19.25308697856441, gamma=0.12353832966974806, kernel=rbf;, score=0.971 total time= 0.0s

[CV 4/5] END C=19.25308697856441, gamma=0.12353832966974806, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END C=19.25308697856441, gamma=0.12353832966974806, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=86.54201431826534, gamma=0.011970079012066513, kernel=linear;, score=0.899 total time= 37.7s

[CV 2/5] END C=86.54201431826534, gamma=0.011970079012066513, kernel=linear;, score=0.913 total time= 52.6s

[CV 5/5] END C=86.54201431826534, gamma=0.011970079012066513, kernel=linear;, score=0.826 total time= 29.2s

[CV 4/5] END C=86.54201431826534, gamma=0.011970079012066513, kernel=linear;, score=0.913 total time= 1.3min

[CV 1/5] END C=86.54201431826534, gamma=0.011970079012066513, kernel=linear;, score=0.913 total time= 1.3min

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=90.88969513729727, gamma=0.03180748708959001, kernel=linear;, score=0.884 total time= 46.8s

[CV 2/5] END C=90.88969513729727, gamma=0.03180748708959001, kernel=linear;, score=0.913 total time= 48.5s

[CV 4/5] END C=90.88969513729727, gamma=0.03180748708959001, kernel=linear;, score=0.913 total time= 1.2min

[CV 5/5] END C=90.88969513729727, gamma=0.03180748708959001, kernel=linear;, score=0.826 total time= 30.3s

[CV 1/5] END C=90.88969513729727, gamma=0.03180748708959001, kernel=linear;, score=0.913 total time= 1.9min

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.24112150554211115, gamma=0.04426424158224367, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.24112150554211115, gamma=0.04426424158224367, kernel=rbf;, score=1.000 total time= 0.0s[CV 2/5] END C=0.24112150554211115, gamma=0.04426424158224367, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.24112150554211115, gamma=0.04426424158224367, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.24112150554211115, gamma=0.04426424158224367, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 4/5] END C=0.7799637228492723, gamma=0.012381447807753194, kernel=linear;, score=0.928 total time= 1.7s

[CV 1/5] END C=0.7799637228492723, gamma=0.012381447807753194, kernel=linear;, score=0.913 total time= 3.6s

[CV 5/5] END C=0.7799637228492723, gamma=0.012381447807753194, kernel=linear;, score=0.884 total time= 3.1s

[CV 3/5] END C=0.7799637228492723, gamma=0.012381447807753194, kernel=linear;, score=0.870 total time= 5.7s

[CV 2/5] END C=0.7799637228492723, gamma=0.012381447807753194, kernel=linear;, score=0.870 total time= 6.8s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=32.98655694990869, gamma=0.10656680930613009, kernel=rbf;, score=0.986 total time= 0.0s

[CV 2/5] END C=32.98655694990869, gamma=0.10656680930613009, kernel=rbf;, score=0.986 total time= 0.0s

[CV 3/5] END C=32.98655694990869, gamma=0.10656680930613009, kernel=rbf;, score=0.971 total time= 0.0s

[CV 4/5] END C=32.98655694990869, gamma=0.10656680930613009, kernel=rbf;, score=0.986 total time= 0.0s

[CV 5/5] END C=32.98655694990869, gamma=0.10656680930613009, kernel=rbf;, score=0.986 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1216166202195386, gamma=0.7897870325135192, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1216166202195386, gamma=0.7897870325135192, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1216166202195386, gamma=0.7897870325135192, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1216166202195386, gamma=0.7897870325135192, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1216166202195386, gamma=0.7897870325135192, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=0.22299900966394617, gamma=0.41740708203997373, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END C=0.22299900966394617, gamma=0.41740708203997373, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.22299900966394617, gamma=0.41740708203997373, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.22299900966394617, gamma=0.41740708203997373, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.22299900966394617, gamma=0.41740708203997373, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=100.0, gamma=0.3017344967084715, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=100.0, gamma=0.3017344967084715, kernel=rbf;, score=1.000 total time= 0.0s[CV 3/5] END C=100.0, gamma=0.3017344967084715, kernel=rbf;, score=0.986 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.3017344967084715, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.3017344967084715, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=15.588650617632485, gamma=0.0912627625966637, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=15.588650617632485, gamma=0.0912627625966637, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=15.588650617632485, gamma=0.0912627625966637, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=15.588650617632485, gamma=0.0912627625966637, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=15.588650617632485, gamma=0.0912627625966637, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=20.498737876261636, gamma=0.16710456178903066, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=20.498737876261636, gamma=0.16710456178903066, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=20.498737876261636, gamma=0.16710456178903066, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=20.498737876261636, gamma=0.16710456178903066, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=20.498737876261636, gamma=0.16710456178903066, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.6919376109672979, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.6919376109672979, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.6919376109672979, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.6919376109672979, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.6919376109672979, gamma=0.01, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1039385117582375, gamma=0.9992557509144702, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1039385117582375, gamma=0.9992557509144702, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1039385117582375, gamma=0.9992557509144702, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1039385117582375, gamma=0.9992557509144702, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1039385117582375, gamma=0.9992557509144702, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=1.6917815261992297, gamma=0.02289224275885758, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=1.6917815261992297, gamma=0.02289224275885758, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=1.6917815261992297, gamma=0.02289224275885758, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=1.6917815261992297, gamma=0.02289224275885758, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=1.6917815261992297, gamma=0.02289224275885758, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1434566398088619, gamma=0.4739491649828579, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1434566398088619, gamma=0.4739491649828579, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1434566398088619, gamma=0.4739491649828579, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1434566398088619, gamma=0.4739491649828579, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1434566398088619, gamma=0.4739491649828579, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=100.0, gamma=0.044947397039914475, kernel=sigmoid;, score=1.000 total time= 0.0s[CV 1/5] END C=100.0, gamma=0.044947397039914475, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=100.0, gamma=0.044947397039914475, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.044947397039914475, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.044947397039914475, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=100.0, gamma=0.2848307465265299, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=100.0, gamma=0.2848307465265299, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=100.0, gamma=0.2848307465265299, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.2848307465265299, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.2848307465265299, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=0.1, gamma=0.05633211129571091, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END C=0.1, gamma=0.05633211129571091, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.05633211129571091, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.05633211129571091, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.05633211129571091, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.6054133524564154, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.6054133524564154, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.6054133524564154, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.6054133524564154, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.6054133524564154, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=100.0, gamma=0.01455265054827364, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=100.0, gamma=0.01455265054827364, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=100.0, gamma=0.01455265054827364, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.01455265054827364, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.01455265054827364, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.5877204691972354, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.5877204691972354, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.5877204691972354, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.5877204691972354, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.5877204691972354, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=100.0, gamma=0.7114274369747112, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END C=100.0, gamma=0.7114274369747112, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=100.0, gamma=0.7114274369747112, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.7114274369747112, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.7114274369747112, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=0.6259542986718971, gamma=0.16107222003576127, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END C=0.6259542986718971, gamma=0.16107222003576127, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.6259542986718971, gamma=0.16107222003576127, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.6259542986718971, gamma=0.16107222003576127, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.6259542986718971, gamma=0.16107222003576127, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.09955238075736882, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.09955238075736882, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.09955238075736882, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.09955238075736882, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.09955238075736882, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END ......C=0.1, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END ......C=0.1, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ......C=0.1, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ......C=0.1, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ......C=0.1, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=0.6649647033880607, gamma=0.0139081563558716, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 1/5] END C=0.6649647033880607, gamma=0.0139081563558716, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.6649647033880607, gamma=0.0139081563558716, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.6649647033880607, gamma=0.0139081563558716, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.6649647033880607, gamma=0.0139081563558716, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=0.1, gamma=0.1388448389231538, kernel=linear;, score=0.870 total time= 0.2s

[CV 1/5] END C=0.1, gamma=0.1388448389231538, kernel=linear;, score=0.870 total time= 0.2s

[CV 2/5] END C=0.1, gamma=0.1388448389231538, kernel=linear;, score=0.855 total time= 0.3s

[CV 4/5] END C=0.1, gamma=0.1388448389231538, kernel=linear;, score=0.928 total time= 0.3s

[CV 5/5] END C=0.1, gamma=0.1388448389231538, kernel=linear;, score=0.870 total time= 0.1s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 3/5] END C=0.10573103212325248, gamma=1.0, kernel=linear;, score=0.870 total time= 0.2s

[CV 2/5] END C=0.10573103212325248, gamma=1.0, kernel=linear;, score=0.855 total time= 0.4s

[CV 1/5] END C=0.10573103212325248, gamma=1.0, kernel=linear;, score=0.870 total time= 0.4s

[CV 4/5] END C=0.10573103212325248, gamma=1.0, kernel=linear;, score=0.928 total time= 0.5s

[CV 5/5] END C=0.10573103212325248, gamma=1.0, kernel=linear;, score=0.870 total time= 0.3s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END C=0.1, gamma=0.06282669429634927, kernel=sigmoid;, score=1.000 total time= 0.0s[CV 1/5] END C=0.1, gamma=0.06282669429634927, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.06282669429634927, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.06282669429634927, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.06282669429634927, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.032747832505828106, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.032747832505828106, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.032747832505828106, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.032747832505828106, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.032747832505828106, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.22718014102405093, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.22718014102405093, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.22718014102405093, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.22718014102405093, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.22718014102405093, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=7.3999685155913415, gamma=0.42613728863232986, kernel=rbf;, score=1.000 total time= 0.0s

[CV 2/5] END C=7.3999685155913415, gamma=0.42613728863232986, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END C=7.3999685155913415, gamma=0.42613728863232986, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END C=7.3999685155913415, gamma=0.42613728863232986, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END C=7.3999685155913415, gamma=0.42613728863232986, kernel=rbf;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.1, gamma=0.09939283294679944, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.1, gamma=0.09939283294679944, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.1, gamma=0.09939283294679944, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.1, gamma=0.09939283294679944, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.1, gamma=0.09939283294679944, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=0.10620863300531927, gamma=0.35534556013209917, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 2/5] END C=0.10620863300531927, gamma=0.35534556013209917, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 3/5] END C=0.10620863300531927, gamma=0.35534556013209917, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 4/5] END C=0.10620863300531927, gamma=0.35534556013209917, kernel=sigmoid;, score=1.000 total time= 0.0s

[CV 5/5] END C=0.10620863300531927, gamma=0.35534556013209917, kernel=sigmoid;, score=1.000 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 1/5] END C=100.0, gamma=0.04970588306961504, kernel=rbf;, score=0.928 total time= 0.0s

[CV 2/5] END C=100.0, gamma=0.04970588306961504, kernel=rbf;, score=0.899 total time= 0.0s

[CV 3/5] END C=100.0, gamma=0.04970588306961504, kernel=rbf;, score=0.971 total time= 0.0s

[CV 4/5] END C=100.0, gamma=0.04970588306961504, kernel=rbf;, score=0.971 total time= 0.0s

[CV 5/5] END C=100.0, gamma=0.04970588306961504, kernel=rbf;, score=0.913 total time= 0.0s

Fitting 5 folds for each of 1 candidates, totalling 5 fits

[CV 2/5] END ....C=100.0, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 1/5] END ....C=100.0, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 3/5] END ....C=100.0, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 4/5] END ....C=100.0, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

[CV 5/5] END ....C=100.0, gamma=1.0, kernel=rbf;, score=1.000 total time= 0.0s

Results for BayesSearchCV

Best parameters: OrderedDict([('C', 0.1313809038296496), ('gamma', 0.22358327693552518), ('kernel', 'rbf')])

Best score: 1.0

Best estimator: SVC(C=0.1313809038296496, gamma=0.22358327693552518)

Process finished with exit code 0