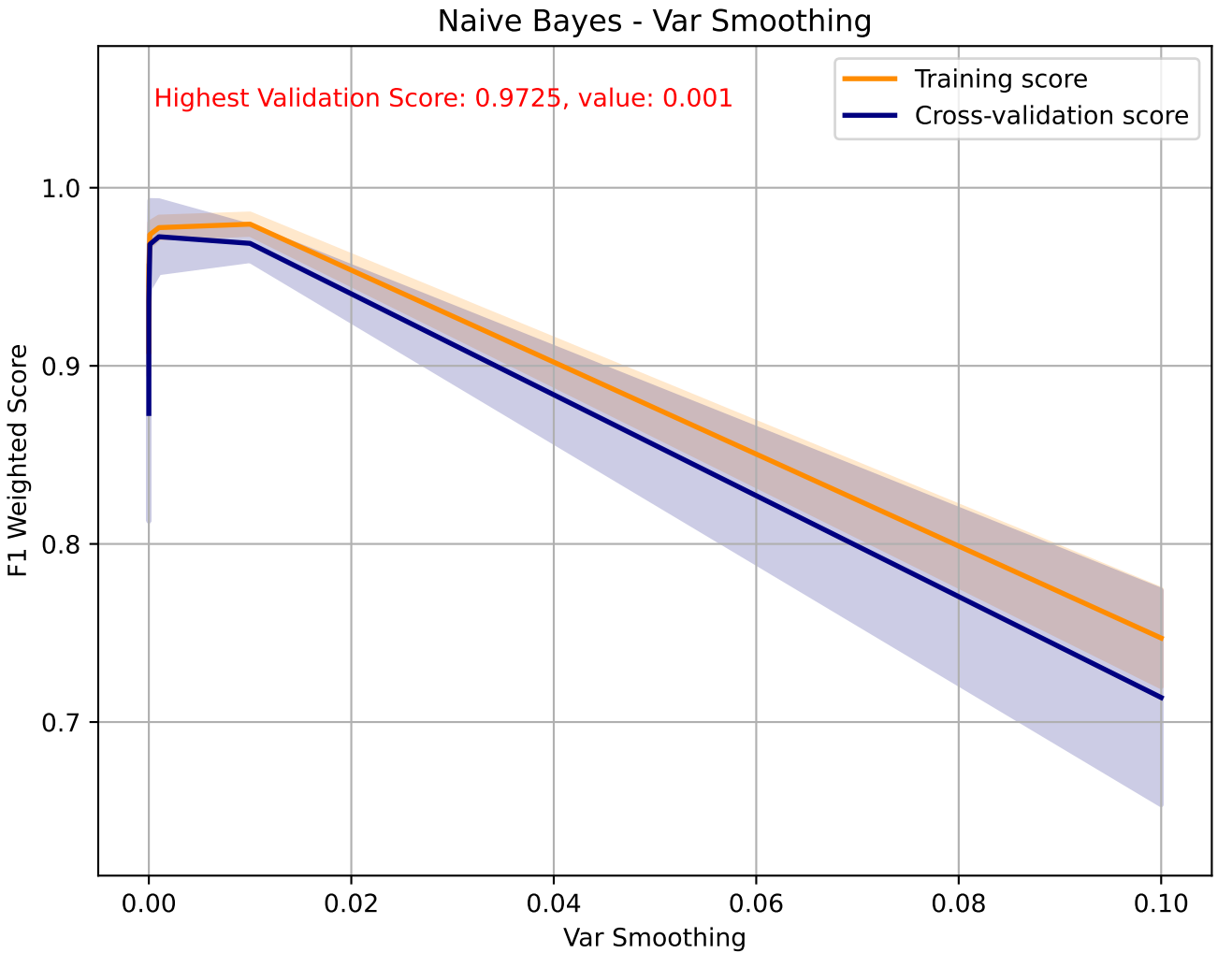
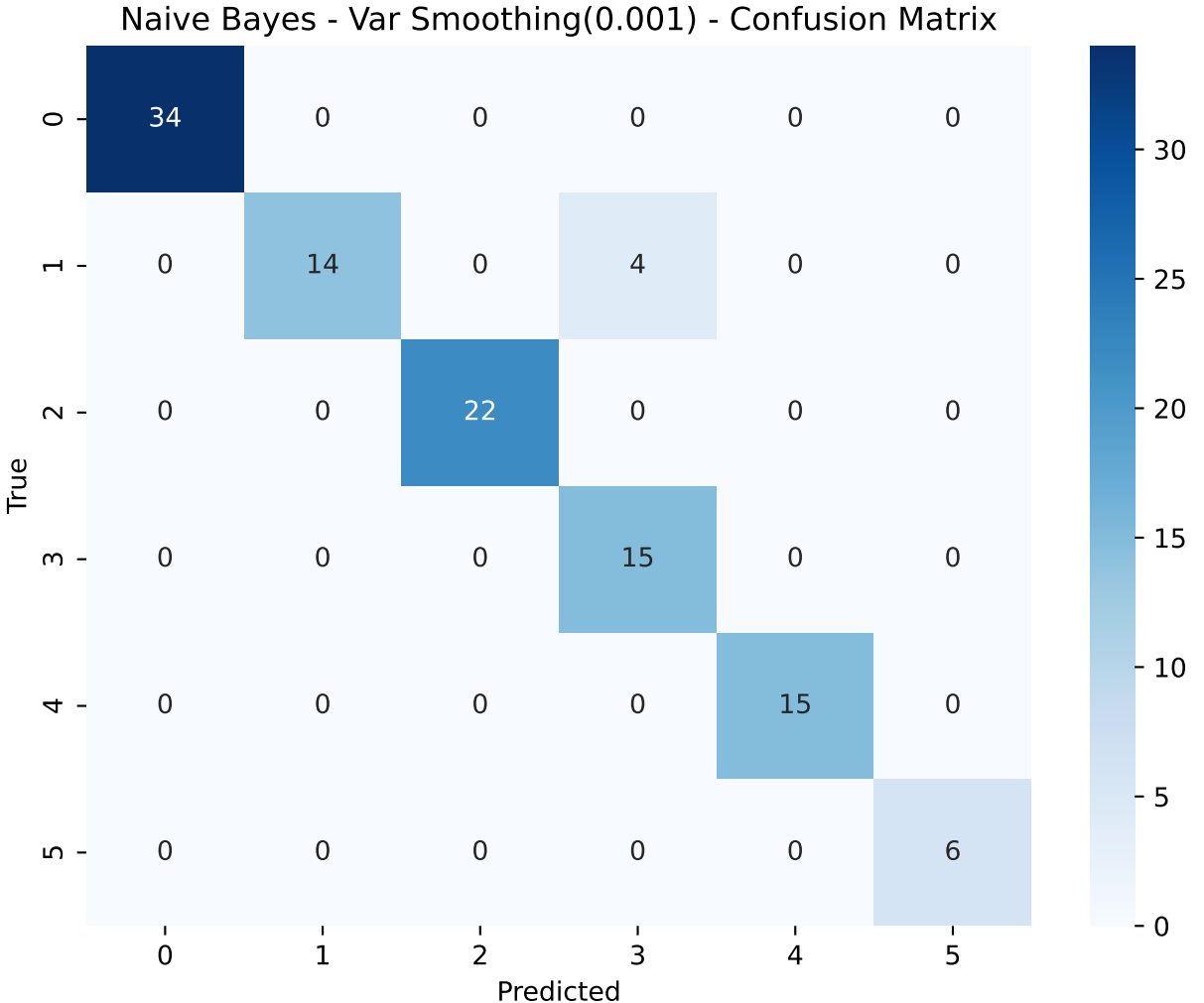
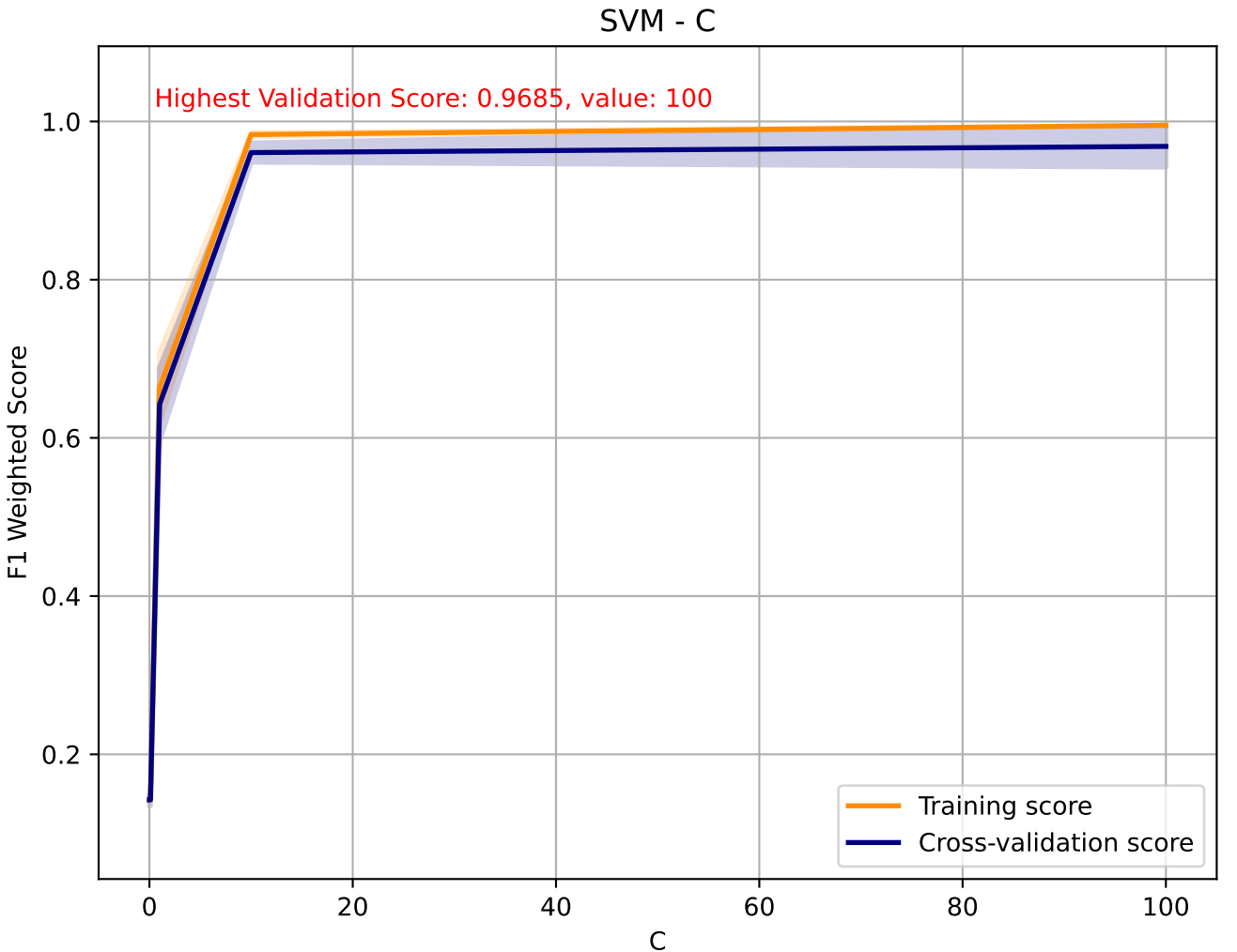
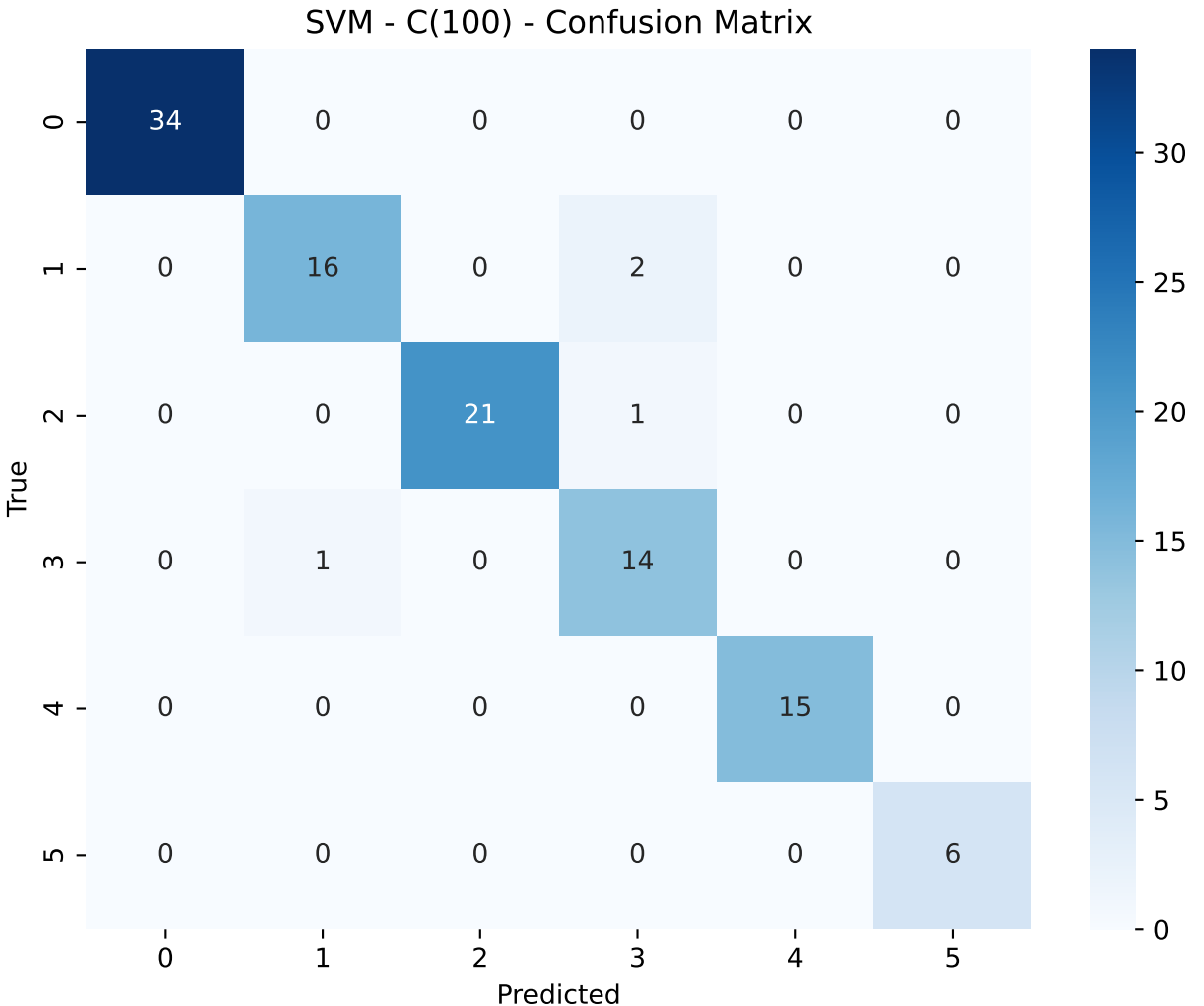
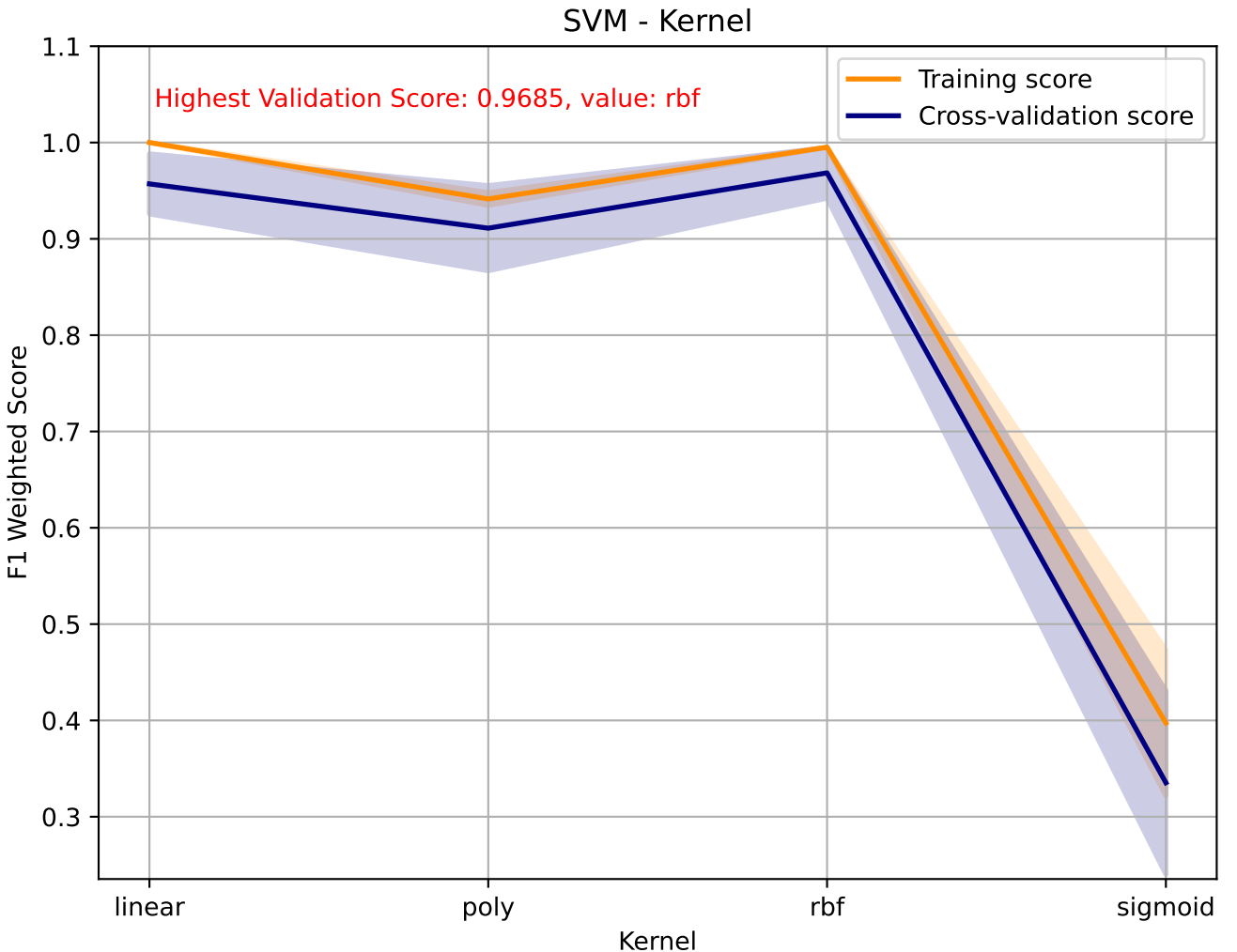
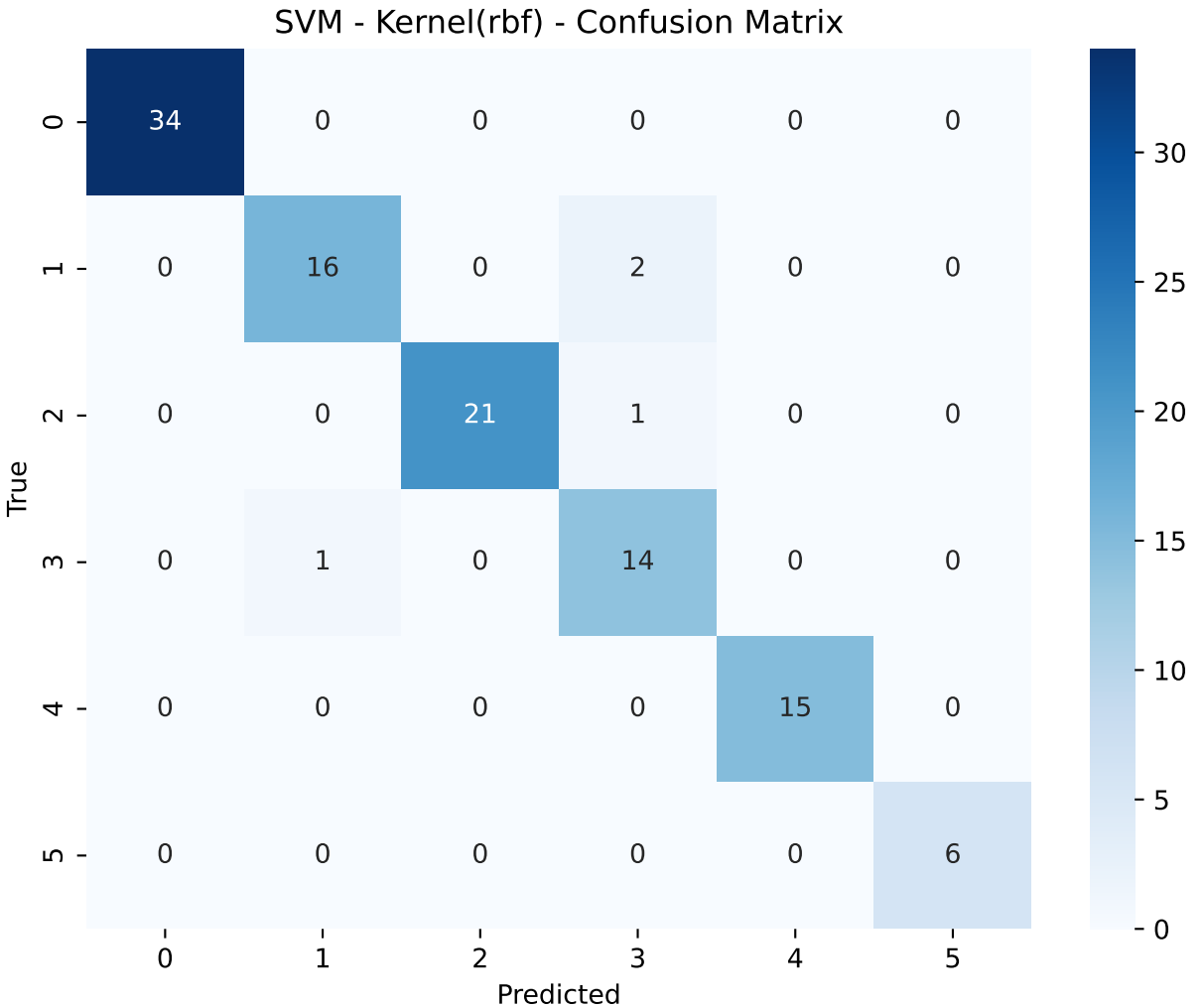

Naive Bayes - Var Smoothing
Highest Validation Score: 0.9725, value: 0.001
Training score
Cross-validation score
F1 Weighted Score
1.0
0.9
0.8
0.7
0.00
0.02
0.04
0.06
0.08
0.10
Var Smoothing

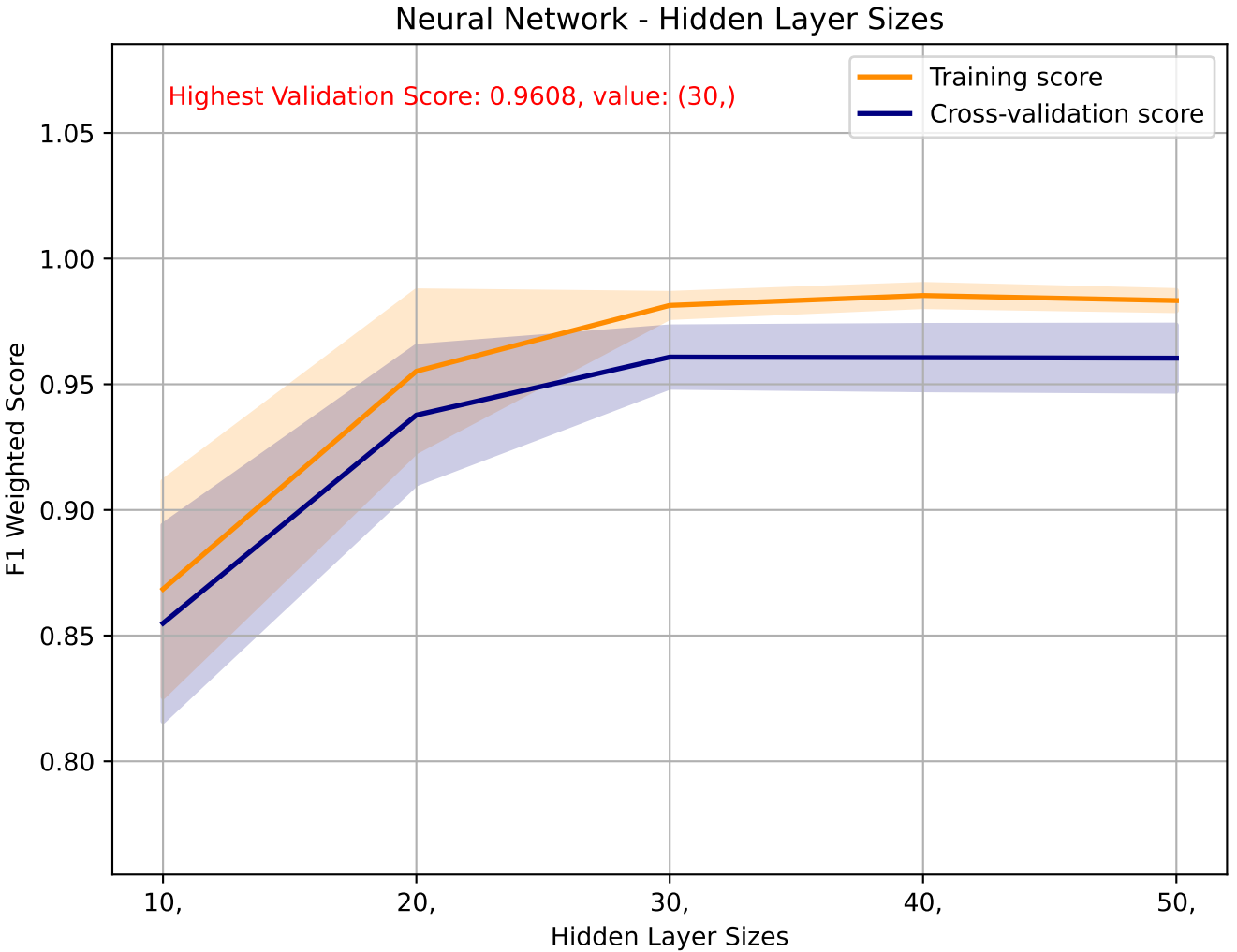

Naive Bayes - Var Smoothing(0.001) - Confusion Matrix
True
Predicted
0
1
2
3
4
5
34
14
4
22
15
15
6
30
25
20
15
10
5
0

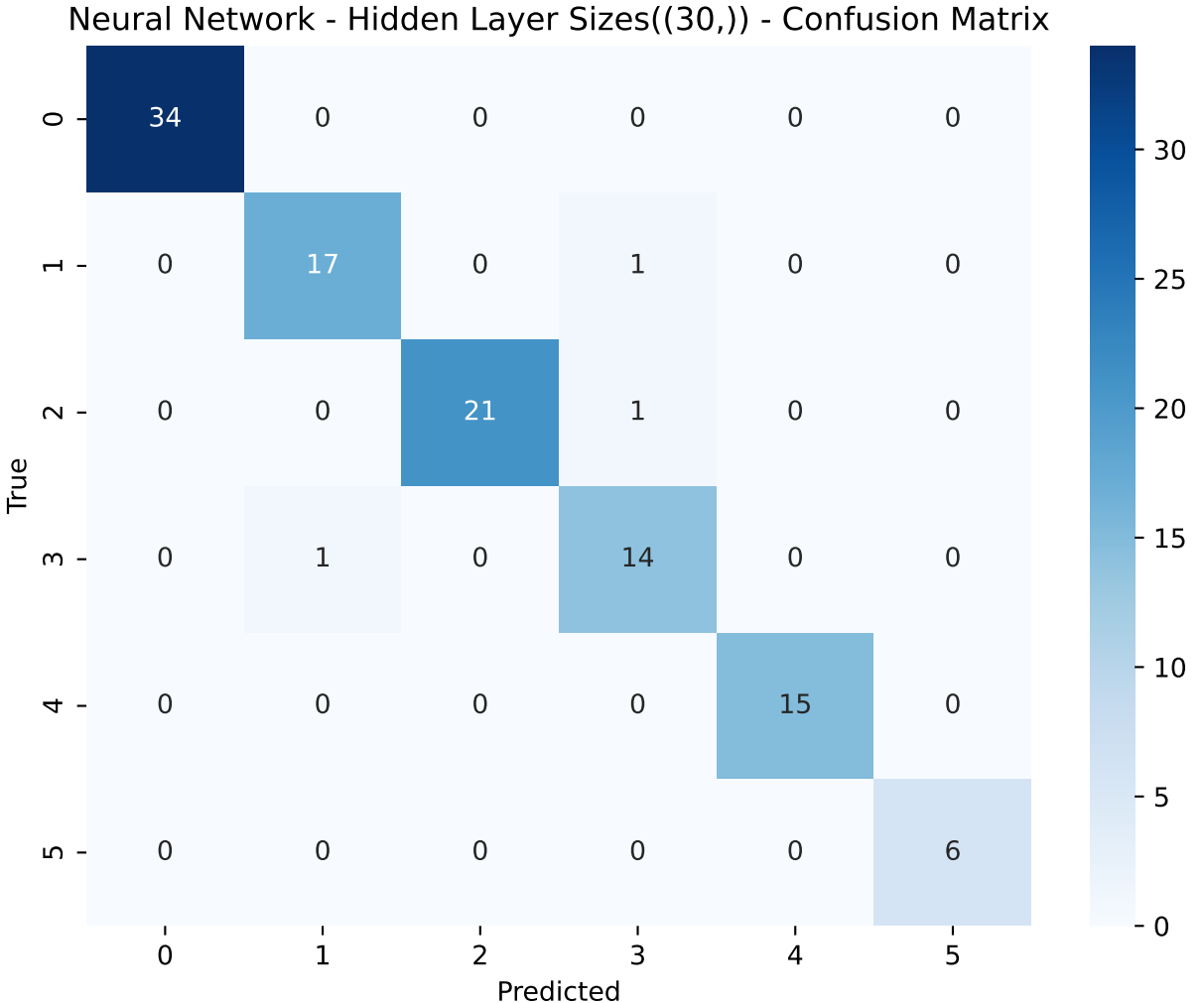

SVM - C
Highest Validation Score: 0.9685, value: 100
F1 Weighted Score
1.0
0.8
0.6
0.4
0.2
0
20
40
60
80
100
C
Training score
Cross-validation score

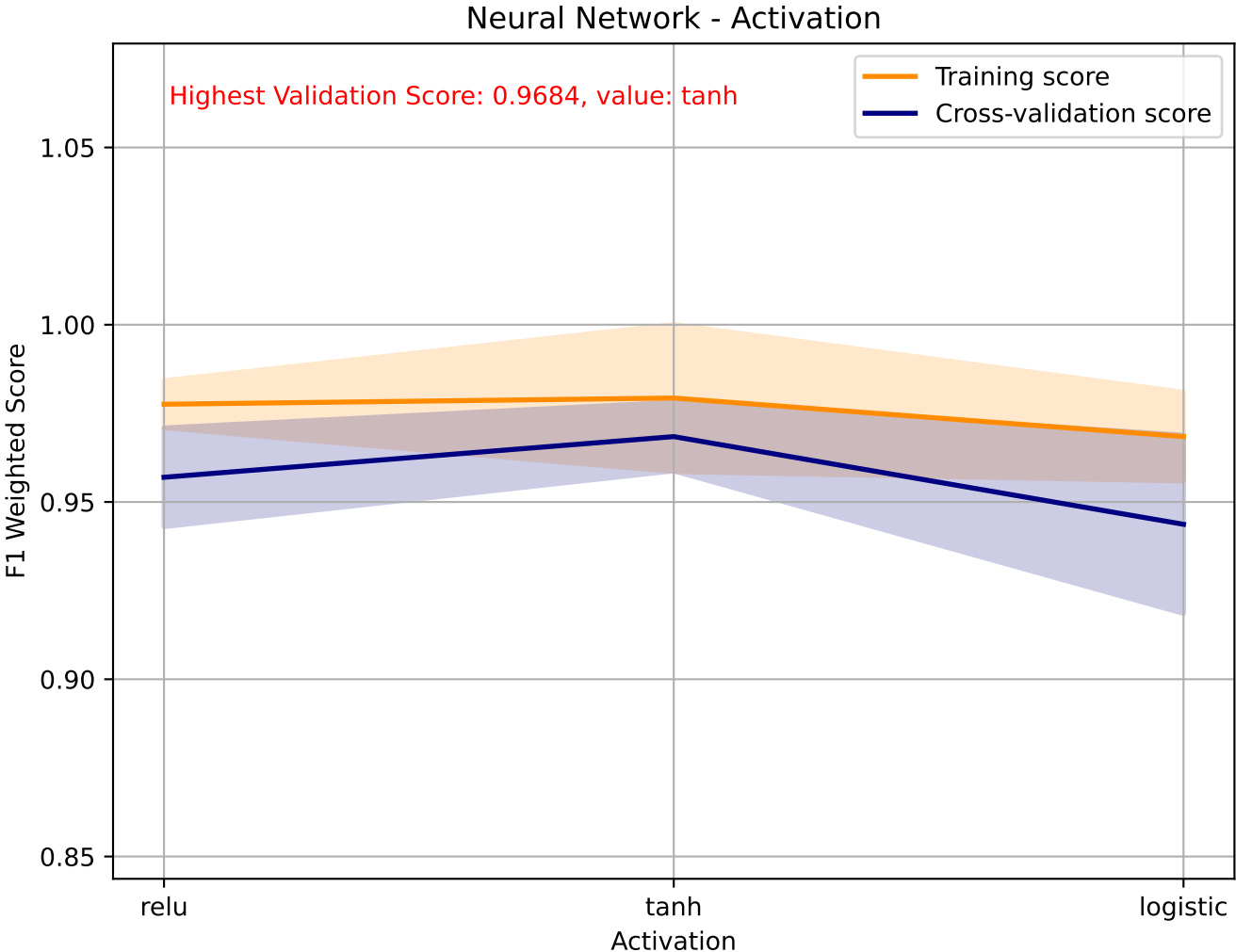

SVM - C(100) - Confusion Matrix
True
Predicted
0
1
2
3
4
5
34 0 0 0 0 0
0 16 0 2 0 0
0 0 21 1 0 0
0 1 0 14 0 0
0 0 0 0 15 0
0 0 0 0 0 6
30
25
20
15
10
5
0

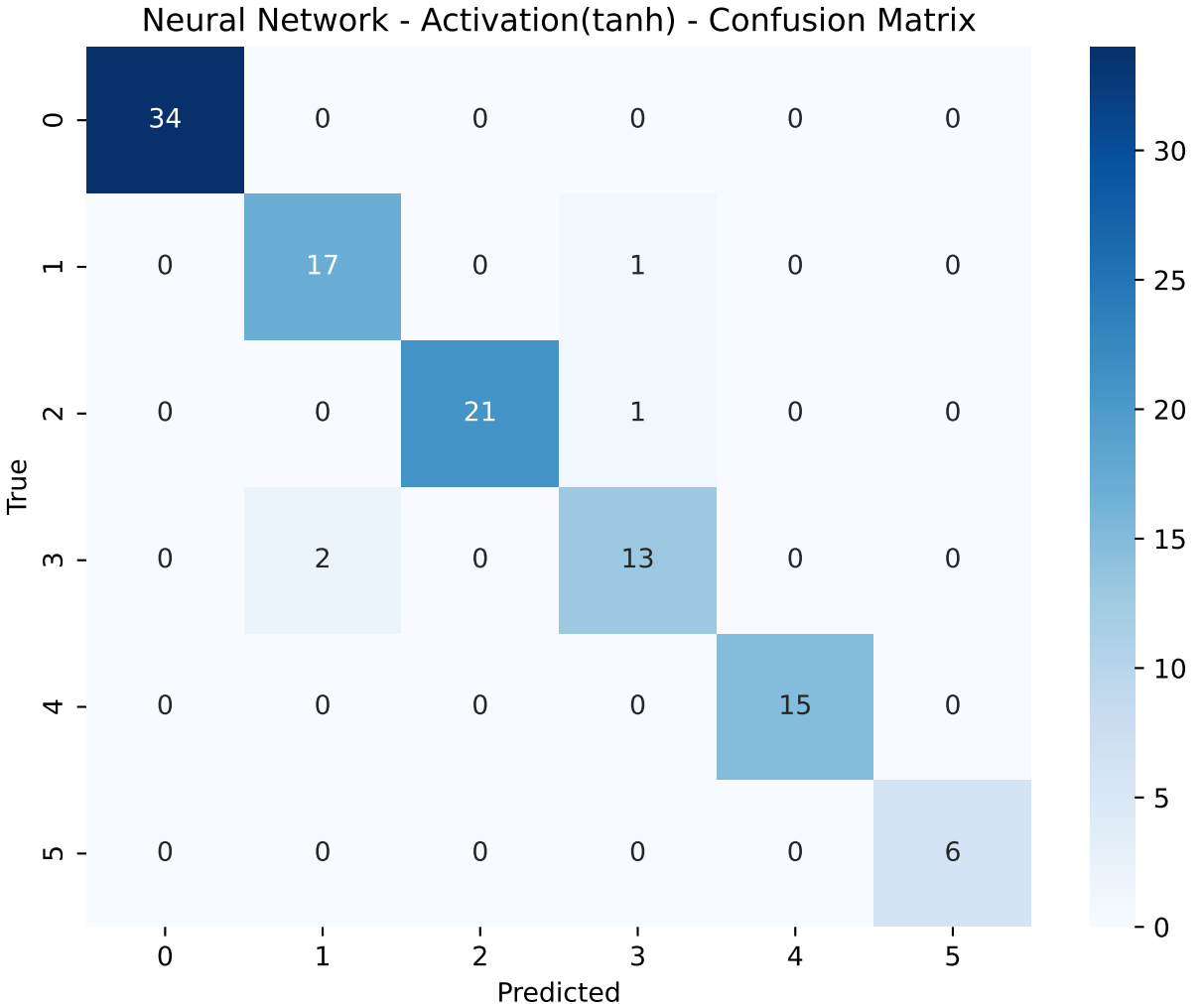

SVM - Kernel
Highest Validation Score: 0.9685, value: rbf
Training score
Cross-validation score
F1 Weighted Score
1.1
1.0
0.9
0.8
0.7
0.6
0.5
0.4
0.3
linear
poly
rbf
sigmoid
Kernel


SVM - Kernel(rbf) - Confusion Matrix
True
Predicted
0
1
2
3
4
5
34 0 0 0 0 0
0 16 0 2 0 0
0 0 21 1 0 0
0 1 0 14 0 0
0 0 0 0 15 0
0 0 0 0 0 6
30
25
20
15
10
5
0


Neural Network - Hidden Layer Sizes
Highest Validation Score: 0.9608, value: (30,)
Training score
Cross-validation score
F1 Weighted Score
1.05
1.00
0.95
0.90
0.85
0.80
10,
20,
30,
40,
50,
Hidden Layer Sizes


Neural Network - Hidden Layer Sizes((30,)) - Confusion Matrix
True
Predicted
0
1
2
3
4
5
34 0 0 0 0 0
0 17 0 1 0 0
0 0 21 1 0 0
0 1 0 14 0 0
0 0 0 0 15 0
0 0 0 0 0 6
30
25
20
15
10
5
0


Neural Network - Activation
Highest Validation Score: 0.9684, value: tanh
Training score
Cross-validation score
1.05
1.00
0.95
0.90
0.85
F1 Weighted Score
relu
tanh
logistic
Activation


Neural Network - Activation(tanh) - Confusion Matrix
True
Predicted
0
1
2
3
4
5
34 0 0 0 0 0
0 17 0 1 0 0
0 0 21 1 0 0
0 2 0 13 0 0
0 0 0 0 15 0
0 0 0 0 0 6
30
25
20
15
10
5
0