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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 page-blocks0: nu=0.9, gamma=3
3 data size: 306
4 break_count: 286
5 train_size: 232.0
6 Confusion matrix:
7 [[ 8 73]
8  [ 19 206]]
9 precision: 0.73835125448, recall: 0.915555555556, f1-score: 0.81746031746
10 -----
11 Confusion matrix:
12 Prediction -1 1
13 Target
14 -1      8 73
15 1      19 206
16 precision: 0.73835125448, recall: 0.915555555556, f1-score: 0.81746031746
17 -----
18 Confusion matrix:
19 Prediction -1 1
20 Target
21 -1      8 73
22 1      20 205
23 precision: 0.737410071942, recall: 0.911111111111, f1-score: 0.815109343936
24
25 *** PROFILER RESULTS ***
26 incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:145
27 )
28 function called 1 times
29
30 3459 function calls in 0.070 seconds
31
32 Ordered by: cumulative time, internal time, call count
33 List reduced from 135 to 40 due to restriction <40>
34
35 ncalls tottime percall cumtime percall filename:lineno(function)
36 1 0.000 0.000 0.070 0.070 evaluation_2.py:145(incremental_ocsvm)
37 1 0.000 0.000 0.043 0.043 ocsvm.py:35(fit)
38 1 0.002 0.002 0.043 0.043 ocsvm.py:62(alpha)
39 1 0.000 0.000 0.039 0.039 coneprog.py:4159(qp)
40 1 0.003 0.003 0.039 0.039 coneprog.py:1441(coneqp)
41 1 0.023 0.023 0.027 0.027 ocsvm.py:98(increment)
42 11 0.000 0.000 0.024 0.002 coneprog.py:1984(kktsolver)
43 11 0.002 0.000 0.024 0.002 misc.py:1389(factor)
44 11 0.011 0.001 0.011 0.001 {cvxopt.base.syrk}
45 22 0.005 0.000 0.005 0.000 {cvxopt.lapack.potrf}
46 11 0.004 0.000 0.004 0.000 {cvxopt.base.gemm}
47 128 0.004 0.000 0.004 0.000 {cvxopt.base.gemv}
48 1 0.004 0.004 0.004 0.004 misc.py:20(<module>)
49 21 0.000 0.000 0.004 0.000 misc.py:1489(solve)
50 20 0.000 0.000 0.004 0.000 coneprog.py:2333(f4)
51 20 0.000 0.000 0.004 0.000 coneprog.py:2291(f4_no_ir)
52 2 0.000 0.000 0.003 0.001 ocsvm.py:58(gram)
53 2 0.000 0.000 0.003 0.001 pairwise.py:1164(pairwise_kernels)
54 2 0.000 0.000 0.003 0.001 pairwise.py:949(_parallel_pairwise)
55 2 0.001 0.001 0.003 0.001 pairwise.py:740(rbf_kernel)
56 22 0.000 0.000 0.002 0.000 coneprog.py:1900(fG)
57 22 0.000 0.000 0.002 0.000 misc.py:801(sgemv)
58 2 0.001 0.000 0.002 0.001 pairwise.py:136(euclidean_distances)
59 188 0.001 0.000 0.001 0.000 {min}

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59      42  0.001  0.000  0.001  0.000 {cvxopt.blas.trsv}
60      10  0.001  0.000  0.001  0.000 misc.py:422(update_scaling)
61       2  0.000  0.000  0.001  0.000 shape_base.py:179(vstack)
62     110  0.001  0.000  0.001  0.000 {method 'dot' of 'numpy.ndarray' objects}
63       2  0.000  0.000  0.001  0.000 extmath.py:171(safe_sparse_dot)
64       2  0.001  0.000  0.001  0.000 {numpy.core._dotblas.dot}
65       2  0.000  0.000  0.000  0.000 {numpy.core.multiarray.concatenate}
66      11  0.000  0.000  0.000  0.000 {cvxopt.blas.syrk}
67      11  0.000  0.000  0.000  0.000 {cvxopt.blas.trsm}
68      11  0.000  0.000  0.000  0.000 coneprog.py:1847(fP)
69      67  0.000  0.000  0.000  0.000 {cvxopt.blas.dot}
70      11  0.000  0.000  0.000  0.000 {cvxopt.base.symv}
71       4  0.000  0.000  0.000  0.000 pairwise.py:57(check_pairwise_arrays)
72      37  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
73     185  0.000  0.000  0.000  0.000 {cvxopt.blas.axpy}
74       4  0.000  0.000  0.000  0.000 validation.py:268(check_array)
75
76
77
78 *** PROFILER RESULTS ***
79 cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:141)
80 function called 1 times
81
82     2698 function calls in 0.346 seconds
83
84 Ordered by: cumulative time, internal time, call count
85 List reduced from 117 to 40 due to restriction <40>
86
87 ncalls  tottime  percall  cumtime  percall filename:lineno(function)
88      1  0.000  0.000  0.346  0.346 evaluation_2.py:141(cvxopt_ocsvm)
89      1  0.001  0.001  0.346  0.346 ocsvm.py:35(fit)
90      1  0.010  0.010  0.344  0.344 ocsvm.py:62(alpha)
91      1  0.000  0.000  0.325  0.325 coneprog.py:4159(qp)
92      1  0.003  0.003  0.324  0.324 coneprog.py:1441(coneqp)
93     14  0.000  0.000  0.283  0.020 coneprog.py:1984(kktsolver)
94     14  0.009  0.001  0.283  0.020 misc.py:1389(factor)
95     14  0.134  0.010  0.134  0.010 {cvxopt.base.gemm}
96     14  0.110  0.008  0.110  0.008 {cvxopt.base.syrk}
97     28  0.027  0.001  0.027  0.001 {cvxopt.lapack.potrf}
98    164  0.025  0.000  0.025  0.000 {cvxopt.base.gemv}
99     26  0.000  0.000  0.022  0.001 coneprog.py:2333(f4)
100     26  0.000  0.000  0.022  0.001 coneprog.py:2291(f4_no_ir)
101     27  0.001  0.000  0.022  0.001 misc.py:1489(solve)
102     28  0.000  0.000  0.009  0.000 coneprog.py:1900(fG)
103     28  0.000  0.000  0.009  0.000 misc.py:801(sgemv)
104       2  0.000  0.000  0.006  0.003 ocsvm.py:58(gram)
105       2  0.000  0.000  0.006  0.003 pairwise.py:1164(pairwise_kernels)
106       2  0.000  0.000  0.006  0.003 pairwise.py:949(_parallel_pairwise)
107       2  0.002  0.001  0.006  0.003 pairwise.py:740(rbf_kernel)
108     54  0.004  0.000  0.004  0.000 {cvxopt.blas.trsv}
109       2  0.001  0.001  0.003  0.002 pairwise.py:136(euclidean_distances)
110       2  0.000  0.000  0.003  0.001 shape_base.py:179(vstack)
111     14  0.002  0.000  0.002  0.000 {cvxopt.blas.trsm}
112       2  0.002  0.001  0.002  0.001 {numpy.core.multiarray.concatenate}
113       2  0.000  0.000  0.002  0.001 extmath.py:171(safe_sparse_dot)
114       2  0.002  0.001  0.002  0.001 {numpy.core._dotblas.dot}
115     13  0.001  0.000  0.002  0.000 misc.py:422(update_scaling)
116     14  0.000  0.000  0.002  0.000 coneprog.py:1847(fP)
117     14  0.002  0.000  0.002  0.000 {cvxopt.base.symv}

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118      2  0.001  0.000  0.001  0.000 twodim_base.py:221(diag)
119      1  0.000  0.000  0.001  0.001 ocsvm.py:45(rho)
120     239  0.001  0.000  0.001  0.000 {cvxopt.blas.axy}
121      97  0.001  0.000  0.001  0.000 {range}
122      78  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.scale2}
123      28  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
124       4  0.000  0.000  0.000  0.000 pairwise.py:57(check_pairwise_arrays)
125      19  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
126       6  0.000  0.000  0.000  0.000 validation.py:268(check_array)
127      10  0.000  0.000  0.000  0.000 shape_base.py:60(atleast_2d)
128
129
130
131 *** PROFILER RESULTS ***
132 sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:137)
133 function called 1 times
134
135      57 function calls in 0.004 seconds
136
137 Ordered by: cumulative time, internal time, call count
138
139      ncalls  tottime  percall  cumtime  percall filename:lineno(function)
140         1  0.000  0.000  0.004  0.004 evaluation_2.py:137(sklearn_ocsvm)
141         1  0.000  0.000  0.004  0.004 classes.py:941(fit)
142         1  0.000  0.000  0.004  0.004 base.py:99(fit)
143         1  0.000  0.000  0.004  0.004 base.py:211(_dense_fit)
144         1  0.003  0.003  0.003  0.003 {sklearn.svm.libsvm.fit}
145         1  0.001  0.001  0.001  0.001 {sklearn.svm.libsvm.set_verbosity_wrap}
146         1  0.000  0.000  0.000  0.000 validation.py:268(check_array)
147         1  0.000  0.000  0.000  0.000 validation.py:43(_assert_all_finite)
148         1  0.000  0.000  0.000  0.000 numeric.py:136(ones)
149         1  0.000  0.000  0.000  0.000 {method 'sum' of 'numpy.ndarray' objects}
150         1  0.000  0.000  0.000  0.000 validation.py:126(_shape_repr)
151         1  0.000  0.000  0.000  0.000 _methods.py:23(_sum)
152         1  0.000  0.000  0.000  0.000 {method 'randint' of 'mtrand.RandomState'
objects}
153         1  0.000  0.000  0.000  0.000 {method 'reduce' of 'numpy.ufunc' objects}
154         1  0.000  0.000  0.000  0.000 shape_base.py:60(atleast_2d)
155         1  0.000  0.000  0.000  0.000 base.py:193(_validate_targets)
156         2  0.000  0.000  0.000  0.000 {numpy.core.multiarray.empty}
157         1  0.000  0.000  0.000  0.000 {method 'join' of 'str' objects}
158         5  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
159         1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
160         1  0.000  0.000  0.000  0.000 getlimits.py:244(__init__)
161         2  0.000  0.000  0.000  0.000 numeric.py:392(asarray)
162         2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
163         1  0.000  0.000  0.000  0.000 validation.py:105(_num_samples)
164         3  0.000  0.000  0.000  0.000 validation.py:153(<genexpr>)
165         2  0.000  0.000  0.000  0.000 base.py:702(isspmatrix)
166         3  0.000  0.000  0.000  0.000 {hasattr}
167         1  0.000  0.000  0.000  0.000 {method 'copy' of 'numpy.ndarray' objects}
168         3  0.000  0.000  0.000  0.000 {isinstance}
169         1  0.000  0.000  0.000  0.000 getlimits.py:269(max)
170         1  0.000  0.000  0.000  0.000 validation.py:503(check_random_state)
171         6  0.000  0.000  0.000  0.000 {len}
172         1  0.000  0.000  0.000  0.000 base.py:203(_warn_from_fit_status)
173         1  0.000  0.000  0.000  0.000 {method 'append' of 'list' objects}
174         1  0.000  0.000  0.000  0.000 {method 'index' of 'list' objects}
175         2  0.000  0.000  0.000  0.000 {callable}

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176	1	0.000	0.000	0.000	0.000	{method 'disable' of '_lsprof.Profiler' objects}
177	0	0.000	0.000			profile:0(profiler)
178						
179						
180						
181						Process finished with exit code 0
182						