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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 segment0: nu=0.1, gamma=3
3 data size: 2308
4 break_count: 2288
5 train_size: 195.0
6 Confusion matrix:
7 [[ 318  11]
8  [1758 221]]
9 precision: 0.952586206897, recall: 0.1116725619, f1-score: 0.199909543193
10 -----
11 Confusion matrix:
12 Prediction  -1   1
13 Target
14 -1         319  10
15  1         1762 217
16 precision: 0.955947136564, recall: 0.10965133906, f1-score: 0.196736174071
17 -----
18 Confusion matrix:
19 Prediction  -1   1
20 Target
21 -1         319  10
22  1         1752 227
23 precision: 0.957805907173, recall: 0.11470439616, f1-score: 0.204873646209
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      51392 function calls in 5.394 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   5.394   5.394  evaluation_2.py:145(incremental_ocsvm)
37      1   4.921   4.921   5.363   5.363  ocsvm.py:98(increment)
38  6957   0.135   0.000   0.135   0.000  {min}
39  7147   0.129   0.000   0.129   0.000  {method 'dot' of 'numpy.ndarray' objects}
40      2   0.000   0.000   0.107   0.054  ocsvm.py:58(gram)
41      2   0.000   0.000   0.107   0.054  pairwise.py:1164(pairwise_kernels)
42      2   0.000   0.000   0.107   0.054  pairwise.py:949(_parallel_pairwise)
43      2   0.041   0.020   0.107   0.054  pairwise.py:740(rbf_kernel)
44      2   0.028   0.014   0.066   0.033  pairwise.py:136(euclidean_distances)
45      2   0.000   0.000   0.038   0.019  extmath.py:171(safe_sparse_dot)
46      2   0.038   0.019   0.038   0.019  {numpy.core._dotblas.dot}
47      1   0.000   0.000   0.031   0.031  ocsvm.py:35(fit)
48      1   0.002   0.002   0.031   0.031  ocsvm.py:62(alpha)
49      1   0.000   0.000   0.027   0.027  coneprog.py:4159(qp)
50      1   0.002   0.002   0.027   0.027  coneprog.py:1441(coneqp)
51     675   0.014   0.000   0.018   0.000  numeric.py:966(outer)
52     10   0.000   0.000   0.018   0.002  coneprog.py:1984(kktsolver)
53     10   0.002   0.000   0.018   0.002  misc.py:1389(factor)
54  6929   0.014   0.000   0.014   0.000  {numpy.core.multiarray.where}
55  2017   0.013   0.000   0.013   0.000  {method 'remove' of 'list' objects}
56     869   0.003   0.000   0.010   0.000  numeric.py:136(ones)
57  2606   0.010   0.000   0.010   0.000  {numpy.core.multiarray.empty}
58     10   0.009   0.001   0.009   0.001  {cvxopt.base.syrk}
59     20   0.005   0.000   0.005   0.000  {cvxopt.lapack.potrf}

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59 6883 0.004 0.000 0.004 0.000 {range}
60 869 0.004 0.000 0.004 0.000 {numpy.core.multiarray.copyto}
61 116 0.004 0.000 0.004 0.000 {cvxopt.base.gemv}
62 1354 0.001 0.000 0.003 0.000 numeric.py:392(asarray)
63 18 0.000 0.000 0.003 0.000 coneprog.py:2333(f4)
64 18 0.000 0.000 0.003 0.000 coneprog.py:2291(f4_no_ir)
65 19 0.000 0.000 0.003 0.000 misc.py:1489(solve)
66 1333 0.003 0.000 0.003 0.000 {numpy.core.multiarray.zeros}
67 10 0.002 0.000 0.002 0.000 {cvxopt.base.gemm}
68 1373 0.002 0.000 0.002 0.000 {numpy.core.multiarray.array}
69 20 0.000 0.000 0.002 0.000 coneprog.py:1900(fG)
70 20 0.000 0.000 0.002 0.000 misc.py:801(sgemv)
71 1351 0.001 0.000 0.001 0.000 {method 'ravel' of 'numpy.ndarray' objects}
72 5706 0.001 0.000 0.001 0.000 {method 'append' of 'list' objects}
73 3578 0.001 0.000 0.001 0.000 {len}
74 1 0.000 0.000 0.001 0.001 ocsvm.py:45(rho)
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 3034 function calls in 16.034 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 percalle cumtime percalle filename:lineno(function)
88 1 0.000 0.000 16.034 16.034 evaluation_2.py:141(cvxopt_ocsvm)
89 1 0.014 0.014 16.034 16.034 ocsvm.py:35(fit)
90 1 0.342 0.342 16.018 16.018 ocsvm.py:62(alpha)
91 1 0.008 0.008 15.520 15.520 coneprog.py:4159(qp)
92 1 0.008 0.008 15.512 15.512 coneprog.py:1441(coneqp)
93 16 0.000 0.000 14.940 0.934 coneprog.py:1984(kktsolver)
94 16 0.187 0.012 14.939 0.934 misc.py:1389(factor)
95 16 8.699 0.544 8.699 0.544 {cvxopt.base.syrk}
96 16 4.263 0.266 4.263 0.266 {cvxopt.base.gemm}
97 32 1.720 0.054 1.720 0.054 {cvxopt.lapack.potrf}
98 188 0.424 0.002 0.424 0.002 {cvxopt.base.gemv}
99 31 0.002 0.000 0.373 0.012 misc.py:1489(solve)
100 30 0.000 0.000 0.364 0.012 coneprog.py:2333(f4)
101 30 0.000 0.000 0.363 0.012 coneprog.py:2291(f4_no_ir)
102 32 0.000 0.000 0.150 0.005 coneprog.py:1900(fG)
103 32 0.001 0.000 0.150 0.005 misc.py:801(sgemv)
104 2 0.000 0.000 0.112 0.056 ocsvm.py:58(gram)
105 2 0.000 0.000 0.112 0.056 pairwise.py:1164(pairwise_kernels)
106 2 0.000 0.000 0.112 0.056 pairwise.py:949(_parallel_pairwise)
107 2 0.046 0.023 0.112 0.056 pairwise.py:740(rbf_kernel)
108 62 0.096 0.002 0.096 0.002 {cvxopt.blas.trsv}
109 16 0.068 0.004 0.068 0.004 {cvxopt.blas.trsm}
110 2 0.030 0.015 0.065 0.033 pairwise.py:136(euclidean_distances)
111 2 0.000 0.000 0.038 0.019 shape_base.py:179(vstack)
112 2 0.037 0.019 0.037 0.019 {numpy.core.multiarray.concatenate}
113 2 0.000 0.000 0.035 0.018 extmath.py:171(safe_sparse_dot)
114 2 0.035 0.018 0.035 0.018 {numpy.core._dotblas.dot}
115 16 0.000 0.000 0.026 0.002 coneprog.py:1847(fP)
116 16 0.026 0.002 0.026 0.002 {cvxopt.base.symv}
117 2 0.003 0.002 0.007 0.004 twodim_base.py:221(diag)

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118      15  0.005  0.000  0.007  0.000 misc.py:422(update_scaling)
119       4  0.004  0.001  0.004  0.001 {numpy.core.multiarray.zeros}
120     111  0.002  0.000  0.002  0.000 {range}
121       1  0.000  0.000  0.002  0.002 ocsvm.py:45(rho)
122      90  0.002  0.000  0.002  0.000 {cvxopt.misc_solvers.scale2}
123     275  0.001  0.000  0.001  0.000 {cvxopt.blas.axpy}
124      32  0.001  0.000  0.001  0.000 {cvxopt.base.sqrt}
125       1  0.001  0.001  0.001  0.001 misc.py:250(compute_scaling)
126      30  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.sinv}
127      91  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.scale}
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 0.033 seconds
136
137 Ordered by: cumulative time, internal time, call count
138
139 ncalls tottime percalle cumtime percalle filename:lineno(function)
140      1  0.000  0.000  0.033  0.033 evaluation_2.py:137(sklearn_ocsvm)
141      1  0.000  0.000  0.033  0.033 classes.py:941(fit)
142      1  0.000  0.000  0.033  0.033 base.py:99(fit)
143      1  0.000  0.000  0.033  0.033 base.py:211(_dense_fit)
144      1  0.033  0.033  0.033  0.033 {sklearn.svm.libsvm.fit}
145      1  0.000  0.000  0.000  0.000 validation.py:268(check_array)
146      1  0.000  0.000  0.000  0.000 validation.py:43(_assert_all_finite)
147      1  0.000  0.000  0.000  0.000 {method 'sum' of 'numpy.ndarray' objects}
148      1  0.000  0.000  0.000  0.000 _methods.py:23(_sum)
149      1  0.000  0.000  0.000  0.000 {method 'reduce' of 'numpy.ufunc' 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 numeric.py:136(ones)
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 base.py:193(_validate_targets)
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 {method 'join' of 'str' objects}
156      5  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
157      2  0.000  0.000  0.000  0.000 {numpy.core.multiarray.empty}
158      1  0.000  0.000  0.000  0.000 getlimits.py:244(__init__)
159      2  0.000  0.000  0.000  0.000 numeric.py:392(asarray)
160      1  0.000  0.000  0.000  0.000 {method 'copy' of 'numpy.ndarray' objects}
161      3  0.000  0.000  0.000  0.000 validation.py:153(<genexpr>)
162      1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
163      2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
164      1  0.000  0.000  0.000  0.000 validation.py:105(_num_samples)
165      1  0.000  0.000  0.000  0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
166      2  0.000  0.000  0.000  0.000 base.py:702(isspmatrix)
167      3  0.000  0.000  0.000  0.000 {isinstance}
168      3  0.000  0.000  0.000  0.000 {hasattr}
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      2  0.000  0.000  0.000  0.000 {callable}
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 'index' of 'list' objects}
174      6  0.000  0.000  0.000  0.000 {len}
175      1  0.000  0.000  0.000  0.000 {method 'append' of 'list' objects}

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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						