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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 page-blocks0: nu=0.1, gamma=3
3 data size: 5472
4 break_count: 5452
5 train_size: 461.0
6 Confusion matrix:
7 [[ 248 311]
8  [4666 247]]
9 precision: 0.442652329749, recall: 0.0502747811928, f1-score: 0.0902942789252
10 -----
11 Confusion matrix:
12 Prediction  -1   1
13 Target
14 -1         232  327
15  1         4662  251
16 precision: 0.434256055363, recall: 0.0510889476898, f1-score: 0.0914223274449
17 -----
18 Confusion matrix:
19 Prediction  -1   1
20 Target
21 -1         248  311
22  1         4668  245
23 precision: 0.440647482014, recall: 0.0498676979442, f1-score: 0.0895959041872
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 102876 function calls in 16.126 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 16.126 16.126 evaluation_2.py:145(incremental_ocsvm)
37 1 14.030 14.030 15.544 15.544 ocsvm.py:98(increment)
38 2 0.000 0.000 0.665 0.333 ocsvm.py:58(gram)
39 2 0.000 0.000 0.665 0.333 pairwise.py:1164(pairwise_kernels)
40 2 0.000 0.000 0.665 0.333 pairwise.py:949(_parallel_pairwise)
41 2 0.224 0.112 0.665 0.333 pairwise.py:740(rbf_kernel)
42 1 0.001 0.001 0.582 0.582 ocsvm.py:35(fit)
43 1 0.013 0.013 0.580 0.580 ocsvm.py:62(alpha)
44 1 0.000 0.000 0.558 0.558 coneprog.py:4159(qp)
45 1 0.005 0.005 0.558 0.558 coneprog.py:1441(coneqp)
46 14 0.000 0.000 0.465 0.033 coneprog.py:1984(kktsolver)
47 14 0.048 0.003 0.465 0.033 misc.py:1389(factor)
48 15127 0.442 0.000 0.442 0.000 {min}
49 2 0.142 0.071 0.441 0.220 pairwise.py:136(euclidean_distances)
50 2 0.000 0.000 0.298 0.149 extmath.py:171(safe_sparse_dot)
51 2 0.298 0.149 0.298 0.149 {numpy.core._dotblas.dot}
52 15388 0.242 0.000 0.242 0.000 {method 'dot' of 'numpy.ndarray' objects}
53 14 0.201 0.014 0.201 0.014 {cvxopt.base.gemm}
54 14 0.155 0.011 0.155 0.011 {cvxopt.base.syrk}
55 164 0.060 0.000 0.060 0.000 {cvxopt.base.gemv}
56 28 0.048 0.002 0.048 0.002 {cvxopt.lapack.potrf}
57 26 0.000 0.000 0.046 0.002 coneprog.py:2333(f4)
58 26 0.001 0.000 0.045 0.002 coneprog.py:2291(f4_no_ir)
59 27 0.001 0.000 0.045 0.002 misc.py:1489(solve)

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59 4451 0.044 0.000 0.044 0.000 {method 'remove' of 'list' objects}
60 1329 0.028 0.000 0.038 0.000 numeric.py:966(outer)
61 15051 0.036 0.000 0.036 0.000 {numpy.core.multiarray.where}
62 28 0.000 0.000 0.031 0.001 coneprog.py:1900(fG)
63 28 0.004 0.000 0.031 0.001 misc.py:801(sgemv)
64 2123 0.008 0.000 0.025 0.000 numeric.py:136(ones)
65 5867 0.018 0.000 0.018 0.000 {numpy.core.multiarray.empty}
66 2123 0.011 0.000 0.011 0.000 {numpy.core.multiarray.copyto}
67 14 0.011 0.001 0.011 0.001 {cvxopt.blas.trsm}
68 54 0.011 0.000 0.011 0.000 {cvxopt.blas.trsv}
69 2662 0.003 0.000 0.007 0.000 numeric.py:392(asarray)
70 7736 0.006 0.000 0.006 0.000 {range}
71 2369 0.005 0.000 0.005 0.000 {numpy.core.multiarray.zeros}
72 2681 0.004 0.000 0.004 0.000 {numpy.core.multiarray.array}
73 2659 0.003 0.000 0.003 0.000 {method 'ravel' of 'numpy.ndarray' objects}
74 13208 0.003 0.000 0.003 0.000 {method 'append' of 'list' objects}
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 197.169 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 0.000 197.169 197.169 evaluation_2.py:141(cvxopt_ocsvm)
89 1 0.086 0.086 197.169 197.169 ocsvm.py:35(fit)
90 1 2.256 2.256 197.078 197.078 ocsvm.py:62(alpha)
91 1 0.046 0.046 193.765 193.765 coneprog.py:4159(qp)
92 1 0.015 0.015 193.719 193.719 coneprog.py:1441(coneqp)
93 16 0.000 0.000 189.732 11.858 coneprog.py:1984(kktsolver)
94 16 1.698 0.106 189.732 11.858 misc.py:1389(factor)
95 16 123.356 7.710 123.356 7.710 {cvxopt.base.syrk}
96 16 41.502 2.594 41.502 2.594 {cvxopt.base.gemm}
97 32 22.720 0.710 22.720 0.710 {cvxopt.lapack.potrf}
98 188 3.160 0.017 3.160 0.017 {cvxopt.base.gemv}
99 31 0.002 0.000 2.631 0.085 misc.py:1489(solve)
100 30 0.000 0.000 2.559 0.085 coneprog.py:2333(f4)
101 30 0.001 0.000 2.559 0.085 coneprog.py:2291(f4_no_ir)
102 32 0.000 0.000 1.146 0.036 coneprog.py:1900(fG)
103 32 0.001 0.000 1.146 0.036 misc.py:801(sgemv)
104 2 0.000 0.000 0.780 0.390 ocsvm.py:58(gram)
105 2 0.000 0.000 0.780 0.390 pairwise.py:1164(pairwise_kernels)
106 2 0.000 0.000 0.780 0.390 pairwise.py:949(_parallel_pairwise)
107 2 0.264 0.132 0.780 0.390 pairwise.py:740(rbf_kernel)
108 62 0.614 0.010 0.614 0.010 {cvxopt.blas.trsv}
109 2 0.188 0.094 0.515 0.258 pairwise.py:136(euclidean_distances)
110 16 0.449 0.028 0.449 0.028 {cvxopt.blas.trsm}
111 2 0.000 0.000 0.326 0.163 extmath.py:171(safe_sparse_dot)
112 2 0.326 0.163 0.326 0.163 {numpy.core._dotblas.dot}
113 2 0.000 0.000 0.261 0.130 shape_base.py:179(vstack)
114 2 0.261 0.130 0.261 0.130 {numpy.core.multiarray.concatenate}
115 16 0.000 0.000 0.155 0.010 coneprog.py:1847(fP)
116 16 0.155 0.010 0.155 0.010 {cvxopt.base.symv}
117 2 0.020 0.010 0.020 0.010 twodim_base.py:221(diag)

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118      15  0.015  0.001  0.018  0.001 misc.py:422(update_scaling)
119     111  0.005  0.000  0.005  0.000 {range}
120      90  0.004  0.000  0.004  0.000 {cvxopt.misc_solvers.scale2}
121       1  0.000  0.000  0.004  0.004 ocsvm.py:45(rho)
122     275  0.003  0.000  0.003  0.000 {cvxopt.blas.axpy}
123      32  0.002  0.000  0.002  0.000 {cvxopt.base.sqrt}
124     123  0.002  0.000  0.002  0.000 {cvxopt.blas.copy}
125       1  0.001  0.001  0.002  0.002 misc.py:250(compute_scaling)
126      30  0.002  0.000  0.002  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 0.170 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    0.170    0.170 evaluation_2.py:137(sklearn_ocsvm)
141         1    0.000    0.000    0.170    0.170 classes.py:941(fit)
142         1    0.000    0.000    0.170    0.170 base.py:99(fit)
143         1    0.000    0.000    0.169    0.169 base.py:211(_dense_fit)
144         1    0.169    0.169    0.169    0.169 {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:503(check_random_state)
151         1    0.000    0.000    0.000    0.000 base.py:193(_validate_targets)
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 getlimits.py:269(max)
154         1    0.000    0.000    0.000    0.000 validation.py:126(_shape_repr)
155         1    0.000    0.000    0.000    0.000 getlimits.py:244(__init__)
156         1    0.000    0.000    0.000    0.000 numeric.py:136(ones)
157         1    0.000    0.000    0.000    0.000 shape_base.py:60(atleast_2d)
158         1    0.000    0.000    0.000    0.000 {method 'join' of 'str' objects}
159         5    0.000    0.000    0.000    0.000 {numpy.core.multiarray.array}
160         1    0.000    0.000    0.000    0.000 {numpy.core.multiarray.copyto}
161         2    0.000    0.000    0.000    0.000 numeric.py:392(asarray)
162         3    0.000    0.000    0.000    0.000 validation.py:153(<genexpr>)
163         2    0.000    0.000    0.000    0.000 {numpy.core.multiarray.empty}
164         1    0.000    0.000    0.000    0.000 {method 'copy' of 'numpy.ndarray' objects}
165         1    0.000    0.000    0.000    0.000 validation.py:105(_num_samples)
166         1    0.000    0.000    0.000    0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
167         2    0.000    0.000    0.000    0.000 numeric.py:462(asanyarray)
168         2    0.000    0.000    0.000    0.000 base.py:702(isspmatrix)
169         3    0.000    0.000    0.000    0.000 {isinstance}
170         3    0.000    0.000    0.000    0.000 {hasattr}
171         1    0.000    0.000    0.000    0.000 base.py:203(_warn_from_fit_status)
172         1    0.000    0.000    0.000    0.000 {method 'index' of 'list' objects}
173         6    0.000    0.000    0.000    0.000 {len}
174         2    0.000    0.000    0.000    0.000 {callable}
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						