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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 pima: nu=0.1, gamma=3
3 data size: 768
4 break_count: 748
5 train_size: 65.0
6 Confusion matrix:
7 [[236 32]
8  [444 56]]
9 precision: 0.636363636364, recall: 0.112, f1-score: 0.190476190476
10 -----
11 Confusion matrix:
12 Prediction  -1  1
13 Target
14 -1      238  30
15  1      447  53
16 precision: 0.638554216867, recall: 0.106, f1-score: 0.181818181818
17 -----
18 Confusion matrix:
19 Prediction  -1  1
20 Target
21 -1      238  30
22  1      444  56
23 precision: 0.651162790698, recall: 0.112, f1-score: 0.191126279863
24
25 *** PROFILER RESULTS ***
26 incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:132
27 )
28 function called 1 times
29
30 20917 function calls in 0.621 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    0.621    0.621  evaluation_2.py:132(incremental_ocsvm)
37 1      0.555    0.555    0.613    0.613  ocsvm.py:98(increment)
38 2772   0.017    0.000    0.017    0.000  {min}
39 2741   0.014    0.000    0.014    0.000  {method 'dot' of 'numpy.ndarray' objects}
40 2      0.000    0.000    0.009    0.005  ocsvm.py:58(gram)
41 2      0.000    0.000    0.009    0.005  pairwise.py:1164(pairwise_kernels)
42 2      0.000    0.000    0.009    0.005  pairwise.py:949(_parallel_pairwise)
43 2      0.004    0.002    0.009    0.005  pairwise.py:740(rbf_kernel)
44 1      0.000    0.000    0.008    0.008  ocsvm.py:35(fit)
45 1      0.000    0.000    0.008    0.008  ocsvm.py:62(alpha)
46 1      0.000    0.000    0.007    0.007  coneprog.py:4159(qp)
47 1      0.001    0.001    0.007    0.007  coneprog.py:1441(coneqp)
48 271    0.004    0.000    0.006    0.000  numeric.py:966(outer)
49 2      0.002    0.001    0.005    0.003  pairwise.py:136(euclidean_distances)
50 2738   0.004    0.000    0.004    0.000  {numpy.core.multiarray.where}
51 355    0.001    0.000    0.003    0.000  numeric.py:136(ones)
52 2      0.000    0.000    0.003    0.001  extmath.py:171(safe_sparse_dot)
53 2      0.003    0.001    0.003    0.001  {numpy.core._dotblas.dot}
54 12     0.000    0.000    0.003    0.000  coneprog.py:1984(kktsolver)
55 12     0.000    0.000    0.003    0.000  misc.py:1389(factor)
56 1046   0.002    0.000    0.002    0.000  {numpy.core.multiarray.empty}
57 776    0.001    0.000    0.001    0.000  {method 'remove' of 'list' objects}
58 355    0.001    0.000    0.001    0.000  {numpy.core.multiarray.copyto}
59 12     0.001    0.000    0.001    0.000  {cvxopt.base.syrk}

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59 2134 0.001 0.000 0.001 0.000 {range}
60 546 0.000 0.000 0.001 0.000 numeric.py:392(asarray)
61 22 0.000 0.000 0.001 0.000 coneprog.py:2333(f4)
62 532 0.001 0.000 0.001 0.000 {numpy.core.multiarray.zeros}
63 22 0.000 0.000 0.001 0.000 coneprog.py:2291(f4_no_ir)
64 565 0.001 0.000 0.001 0.000 {numpy.core.multiarray.array}
65 23 0.000 0.000 0.001 0.000 misc.py:1489(solve)
66 1 0.001 0.001 0.001 0.001 misc.py:20(<module>)
67 24 0.000 0.000 0.000 0.000 {cvxopt.lapack.potrf}
68 140 0.000 0.000 0.000 0.000 {cvxopt.base.gemv}
69 543 0.000 0.000 0.000 0.000 {method 'ravel' of 'numpy.ndarray' objects}
70 11 0.000 0.000 0.000 0.000 misc.py:422(update_scaling)
71 1488 0.000 0.000 0.000 0.000 {len}
72 2004 0.000 0.000 0.000 0.000 {method 'append' of 'list' objects}
73 4 0.000 0.000 0.000 0.000 pairwise.py:57(check_pairwise_arrays)
74 1 0.000 0.000 0.000 0.000 ocsvm.py:45(rho)
75
76
77
78 *** PROFILER RESULTS ***
79 cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:128)
80 function called 1 times
81
82 2362 function calls in 0.693 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 0.693 0.693 evaluation_2.py:128(cvxopt_ocsvm)
89 1 0.002 0.002 0.693 0.693 ocsvm.py:35(fit)
90 1 0.032 0.032 0.690 0.690 ocsvm.py:62(alpha)
91 1 0.001 0.001 0.642 0.642 coneprog.py:4159(qp)
92 1 0.003 0.003 0.640 0.640 coneprog.py:1441(coneqp)
93 12 0.000 0.000 0.581 0.048 coneprog.py:1984(kktsolver)
94 12 0.017 0.001 0.581 0.048 misc.py:1389(factor)
95 12 0.253 0.021 0.253 0.021 {cvxopt.base.syrk}
96 12 0.246 0.021 0.246 0.021 {cvxopt.base.gemm}
97 24 0.059 0.002 0.059 0.002 {cvxopt.lapack.potrf}
98 140 0.040 0.000 0.040 0.000 {cvxopt.base.gemv}
99 23 0.001 0.000 0.034 0.001 misc.py:1489(solve)
100 22 0.000 0.000 0.034 0.002 coneprog.py:2333(f4)
101 22 0.000 0.000 0.033 0.002 coneprog.py:2291(f4_no_ir)
102 24 0.000 0.000 0.014 0.001 coneprog.py:1900(fG)
103 24 0.000 0.000 0.014 0.001 misc.py:801(sgemv)
104 2 0.000 0.000 0.010 0.005 ocsvm.py:58(gram)
105 2 0.000 0.000 0.010 0.005 pairwise.py:1164(pairwise_kernels)
106 2 0.000 0.000 0.010 0.005 pairwise.py:949(_parallel_pairwise)
107 2 0.005 0.002 0.010 0.005 pairwise.py:740(rbf_kernel)
108 46 0.007 0.000 0.007 0.000 {cvxopt.blas.trsv}
109 2 0.003 0.002 0.005 0.003 pairwise.py:136(euclidean_distances)
110 12 0.005 0.000 0.005 0.000 {cvxopt.blas.trsm}
111 2 0.000 0.000 0.004 0.002 shape_base.py:179(vstack)
112 2 0.004 0.002 0.004 0.002 {numpy.core.multiarray.concatenate}
113 2 0.002 0.001 0.002 0.001 twodim_base.py:221(diag)
114 12 0.000 0.000 0.002 0.000 coneprog.py:1847(fP)
115 12 0.002 0.000 0.002 0.000 {cvxopt.base.symv}
116 11 0.002 0.000 0.002 0.000 misc.py:422(update_scaling)
117 2 0.000 0.000 0.002 0.001 extmath.py:171(safe_sparse_dot)

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118      2  0.002  0.001  0.002  0.001 {numpy.core._dotblas.dot}
119      1  0.000  0.000  0.001  0.001 ocsvm.py:45(rho)
120     83  0.001  0.000  0.001  0.000 {range}
121    203  0.001  0.000  0.001  0.000 {cvxopt.blas.axpy}
122     66  0.000  0.000  0.000  0.000 {cvxopt.misc_solvers.scale2}
123      4  0.000  0.000  0.000  0.000 pairwise.py:57(check_pairwise_arrays)
124     28  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
125      6  0.000  0.000  0.000  0.000 validation.py:268(check_array)
126     67  0.000  0.000  0.000  0.000 {cvxopt.misc_solvers.scale}
127      4  0.000  0.000  0.000  0.000 {numpy.core.multiarray.zeros}
128
129
130
131 *** PROFILER RESULTS ***
132 sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:125)
133 function called 1 times
134
135     57 function calls in 0.003 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  0.003  0.003 evaluation_2.py:125(sklearn_ocsvm)
141      1  0.000  0.000  0.003  0.003 classes.py:941(fit)
142      1  0.000  0.000  0.003  0.003 base.py:99(fit)
143      1  0.000  0.000  0.003  0.003 base.py:211(_dense_fit)
144      1  0.003  0.003  0.003  0.003 {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 _methods.py:23(_sum)
148      1  0.000  0.000  0.000  0.000 {method 'sum' of 'numpy.ndarray' objects}
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 {method 'randint' of 'mtrand.RandomState'
objects}
152      1  0.000  0.000  0.000  0.000 numeric.py:136(ones)
153      5  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
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      1  0.000  0.000  0.000  0.000 getlimits.py:244(__init__)
157      1  0.000  0.000  0.000  0.000 {method 'join' of 'str' objects}
158      2  0.000  0.000  0.000  0.000 {numpy.core.multiarray.empty}
159      2  0.000  0.000  0.000  0.000 numeric.py:392(asarray)
160      1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
161      1  0.000  0.000  0.000  0.000 validation.py:105(_num_samples)
162      2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
163      3  0.000  0.000  0.000  0.000 validation.py:153(<genexpr>)
164      1  0.000  0.000  0.000  0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
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      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						