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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 pima: nu=0.1, gamma=0.01
3 data size: 768
4 break_count: 748
5 train_size: 65.0
6 Confusion matrix:
7 [[234 34]
8  [449 51]]
9 precision: 0.6, recall: 0.102, f1-score: 0.174358974359
10 -----
11 Confusion matrix:
12 Prediction -1 1
13 Target
14 -1      232 36
15 1      440 60
16 precision: 0.625, recall: 0.12, f1-score: 0.201342281879
17 -----
18 Confusion matrix:
19 Prediction -1 1
20 Target
21 -1      237 31
22 1      450 50
23 precision: 0.617283950617, recall: 0.1, f1-score: 0.172117039587
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      25424 function calls in 1.402 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    1.402    1.402  evaluation_2.py:145(incremental_ocsvm)
37 1      1.325    1.325    1.396    1.396  ocsvm.py:98(increment)
38 3270   0.018    0.000    0.018    0.000  {min}
39 3172   0.017    0.000    0.017    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)
44 315    0.005    0.000    0.007    0.000  numeric.py:966(outer)
45 1      0.000    0.000    0.006    0.006  ocsvm.py:35(fit)
46 1      0.000    0.000    0.006    0.006  ocsvm.py:62(alpha)
47 2      0.002    0.001    0.006    0.003  pairwise.py:136(euclidean_distances)
48 3247   0.005    0.000    0.005    0.000  {numpy.core.multiarray.where}
49 1      0.000    0.000    0.005    0.005  coneprog.py:4159(qp)
50 1      0.001    0.001    0.005    0.005  coneprog.py:1441(coneqp)
51 437    0.001    0.000    0.004    0.000  numeric.py:136(ones)
52 1278   0.003    0.000    0.003    0.000  {numpy.core.multiarray.empty}
53 2      0.000    0.000    0.003    0.002  extmath.py:171(safe_sparse_dot)
54 2      0.003    0.002    0.003    0.002  {numpy.core._dotblas.dot}
55 4220   0.003    0.000    0.003    0.000  {range}
56 1015   0.002    0.000    0.002    0.000  {method 'remove' of 'list' objects}
57 437    0.002    0.000    0.002    0.000  {numpy.core.multiarray.copyto}
58 8      0.000    0.000    0.002    0.000  coneprog.py:1984(kktsolver)
59 8      0.000    0.000    0.002    0.000  misc.py:1389(factor)

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59    634    0.001    0.000    0.001    0.000 numeric.py:392(asarray)
60    660    0.001    0.000    0.001    0.000 {numpy.core.multiarray.zeros}
61    653    0.001    0.000    0.001    0.000 {numpy.core.multiarray.array}
62     8    0.001    0.000    0.001    0.000 {cvxopt.base.syrk}
63     1    0.001    0.001    0.001    0.001 linalg.py:454(inv)
64    631    0.001    0.000    0.001    0.000 {method 'ravel' of 'numpy.ndarray' objects}
65     1    0.001    0.001    0.001    0.001 misc.py:20(<module>)
66    14    0.000    0.000    0.001    0.000 coneprog.py:2333(f4)
67    14    0.000    0.000    0.000    0.000 coneprog.py:2291(f4_no_ir)
68     1    0.000    0.000    0.000    0.000 ocsvm.py:45(rho)
69   2245    0.000    0.000    0.000    0.000 {method 'append' of 'list' objects}
70   1771    0.000    0.000    0.000    0.000 {len}
71    15    0.000    0.000    0.000    0.000 misc.py:1489(solve)
72     4    0.000    0.000    0.000    0.000 pairwise.py:57(check_pairwise_arrays)
73    16    0.000    0.000    0.000    0.000 {cvxopt.lapack.potrf}
74    15    0.000    0.000    0.000    0.000 numeric.py:462(asanyarray)
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     4378 function calls in 1.345 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    1.345    1.345 evaluation_2.py:141(cvxopt_ocsvm)
89     1    0.002    0.002    1.345    1.345 ocsvm.py:35(fit)
90     1    0.032    0.032    1.340    1.340 ocsvm.py:62(alpha)
91     1    0.002    0.002    1.291    1.291 coneprog.py:4159(qp)
92     1    0.006    0.006    1.289    1.289 coneprog.py:1441(coneqp)
93    24    0.000    0.000    1.167    0.049 coneprog.py:1984(kktsolver)
94    24    0.028    0.001    1.167    0.049 misc.py:1389(factor)
95    24    0.511    0.021    0.511    0.021 {cvxopt.base.syrk}
96    24    0.496    0.021    0.496    0.021 {cvxopt.base.gemm}
97    48    0.121    0.003    0.121    0.003 {cvxopt.lapack.potrf}
98   284    0.079    0.000    0.079    0.000 {cvxopt.base.gemv}
99    46    0.000    0.000    0.072    0.002 coneprog.py:2333(f4)
100   46    0.001    0.000    0.072    0.002 coneprog.py:2291(f4_no_ir)
101   47    0.002    0.000    0.071    0.002 misc.py:1489(solve)
102   48    0.000    0.000    0.027    0.001 coneprog.py:1900(fG)
103   48    0.001    0.000    0.027    0.001 misc.py:801(sgemv)
104   94    0.016    0.000    0.016    0.000 {cvxopt.blas.trsv}
105     2    0.000    0.000    0.012    0.006 ocsvm.py:58(gram)
106     2    0.000    0.000    0.012    0.006 pairwise.py:1164(pairwise_kernels)
107     2    0.000    0.000    0.012    0.006 pairwise.py:949(_parallel_pairwise)
108     2    0.005    0.003    0.011    0.006 pairwise.py:740(rbf_kernel)
109    24    0.010    0.000    0.010    0.000 {cvxopt.blas.trsm}
110     2    0.003    0.002    0.006    0.003 pairwise.py:136(euclidean_distances)
111     2    0.000    0.000    0.005    0.003 shape_base.py:179(vstack)
112     2    0.005    0.003    0.005    0.003 {numpy.core.multiarray.concatenate}
113    23    0.004    0.000    0.005    0.000 misc.py:422(update_scaling)
114    24    0.000    0.000    0.005    0.000 coneprog.py:1847(fP)
115    24    0.004    0.000    0.004    0.000 {cvxopt.base.symv}
116     2    0.000    0.000    0.002    0.001 extmath.py:171(safe_sparse_dot)
117     2    0.002    0.001    0.002    0.001 {numpy.core._dotblas.dot}

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118      1  0.000  0.000  0.002  0.002 ocsvm.py:45(rho)
119      2  0.002  0.001  0.002  0.001 twodim_base.py:221(diag)
120     138  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.scale2}
121     419  0.001  0.000  0.001  0.000 {cvxopt.blas.axpy}
122     167  0.001  0.000  0.001  0.000 {range}
123     139  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.scale}
124      48  0.000  0.000  0.001  0.000 coneprog.py:1919(fA)
125      23  0.000  0.000  0.001  0.000 misc.py:945(ssqr)
126      48  0.000  0.000  0.000  0.000 {cvxopt.base.sqrt}
127     187  0.000  0.000  0.000  0.000 {cvxopt.blas.copy}
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 0.003 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:137(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 {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 numeric.py:136(ones)
151      1  0.000  0.000  0.000  0.000 validation.py:126(_shape_repr)
152      1  0.000  0.000  0.000  0.000 base.py:193(_validate_targets)
153      1  0.000  0.000  0.000  0.000 {method 'randint' of 'mtrand.RandomState'
objects}
154      1  0.000  0.000  0.000  0.000 shape_base.py:60(atleast_2d)
155      5  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
156      1  0.000  0.000  0.000  0.000 {method 'join' of 'str' objects}
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      3  0.000  0.000  0.000  0.000 validation.py:153(<genexpr>)
161      2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
162      1  0.000  0.000  0.000  0.000 validation.py:105(_num_samples)
163      1  0.000  0.000  0.000  0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
164      1  0.000  0.000  0.000  0.000 validation.py:503(check_random_state)
165      1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
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      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      1  0.000  0.000  0.000  0.000 getlimits.py:269(max)
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						