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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 yeast1: nu=0.75, gamma=30
3 data size: 1484
4 break_count: 1464
5 train_size: 938.0
6 Confusion matrix:
7 [[114 315]
8  [244 811]]
9 precision: 0.720248667851, recall: 0.768720379147, f1-score: 0.743695552499
10 -----
11 Confusion matrix:
12 Prediction -1  1
13 Target
14 -1      116 313
15  1      243 812
16 precision: 0.721777777778, recall: 0.769668246445, f1-score: 0.74495412844
17 -----
18 Confusion matrix:
19 Prediction -1  1
20 Target
21 -1      115 314
22  1      247 808
23 precision: 0.720142602496, recall: 0.765876777251, f1-score: 0.742305925586
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 19193 function calls in 3.809 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    3.809    3.809    evaluation_2.py:145(incremental_ocsvm)
37 1      0.004    0.004    2.658    2.658    ocsvm.py:35(fit)
38 1      0.056    0.056    2.654    2.654    ocsvm.py:62(alpha)
39 1      0.002    0.002    2.562    2.562    coneprog.py:4159(qp)
40 1      0.007    0.007    2.560    2.560    coneprog.py:1441(coneqp)
41 21     0.000    0.000    2.382    0.113    coneprog.py:1984(kktsolver)
42 21     0.046    0.002    2.382    0.113    misc.py:1389(factor)
43 21     1.179    0.056    1.179    0.056    {cvxopt.base.syrk}
44 1      0.992    0.992    1.151    1.151    ocsvm.py:98(increment)
45 21     0.890    0.042    0.890    0.042    {cvxopt.base.gemm}
46 42     0.247    0.006    0.247    0.006    {cvxopt.lapack.potrf}
47 248    0.121    0.000    0.121    0.000    {cvxopt.base.gemv}
48 41     0.002    0.000    0.109    0.003    misc.py:1489(solve)
49 40     0.000    0.000    0.108    0.003    coneprog.py:2333(f4)
50 40     0.001    0.000    0.108    0.003    coneprog.py:2291(f4_no_ir)
51 2425   0.083    0.000    0.083    0.000    {min}
52 2      0.000    0.000    0.058    0.029    ocsvm.py:58(gram)
53 2      0.000    0.000    0.058    0.029    pairwise.py:1164(pairwise_kernels)
54 2      0.000    0.000    0.058    0.029    pairwise.py:949(_parallel_pairwise)
55 2      0.024    0.012    0.058    0.029    pairwise.py:740(rbf_kernel)
56 42     0.000    0.000    0.041    0.001    coneprog.py:1900(fG)
57 42     0.001    0.000    0.041    0.001    misc.py:801(sgemv)
58 2      0.015    0.007    0.034    0.017    pairwise.py:136(euclidean_distances)
59 82     0.026    0.000    0.026    0.000    {cvxopt.blas.trsv}

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59	1984	0.021	0.000	0.021	0.000	{method 'dot' of 'numpy.ndarray' objects}
60	21	0.019	0.001	0.019	0.001	{cvxopt.blas.trsm}
61	2	0.000	0.000	0.019	0.009	extmath.py:171(safe_sparse_dot)
62	2	0.019	0.009	0.019	0.009	{numpy.core._dotblas.dot}
63	2	0.000	0.000	0.008	0.004	shape_base.py:179(vstack)
64	2	0.008	0.004	0.008	0.004	{numpy.core.multiarray.concatenate}
65	21	0.000	0.000	0.007	0.000	coneprog.py:1847(fP)
66	21	0.007	0.000	0.007	0.000	{cvxopt.base.sylv}
67	2364	0.005	0.000	0.005	0.000	{numpy.core.multiarray.where}
68	652	0.005	0.000	0.005	0.000	{method 'remove' of 'list' objects}
69	20	0.004	0.000	0.005	0.000	misc.py:422(update_scaling)
70	178	0.003	0.000	0.004	0.000	numeric.py:966(outer)
71	2	0.002	0.001	0.003	0.002	twodim_base.py:221(diag)
72	279	0.001	0.000	0.003	0.000	numeric.py:136(ones)
73	881	0.002	0.000	0.002	0.000	{numpy.core.multiarray.empty}
74	312	0.002	0.000	0.002	0.000	{numpy.core.multiarray.zeros}
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	3370 function calls in 21.418 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	21.418	21.418	evaluation_2.py:141(cvxopt_ocsvm)
89	1	0.020	0.020	21.418	21.418	ocsvm.py:35(fit)
90	1	0.353	0.353	21.396	21.396	ocsvm.py:62(alpha)
91	1	0.010	0.010	20.867	20.867	coneprog.py:4159(qp)
92	1	0.009	0.009	20.857	20.857	coneprog.py:1441(coneqp)
93	18	0.000	0.000	20.069	1.115	coneprog.py:1984(kktsolver)
94	18	0.213	0.012	20.069	1.115	misc.py:1389(factor)
95	18	12.008	0.667	12.008	0.667	{cvxopt.base.syrk}
96	18	5.423	0.301	5.423	0.301	{cvxopt.base.gemm}
97	36	2.339	0.065	2.339	0.065	{cvxopt.lapack.potrf}
98	212	0.597	0.003	0.597	0.003	{cvxopt.base.gemv}
99	35	0.002	0.000	0.511	0.015	misc.py:1489(solve)
100	34	0.000	0.000	0.504	0.015	coneprog.py:2333(f4)
101	34	0.001	0.000	0.503	0.015	coneprog.py:2291(f4_no_ir)
102	36	0.000	0.000	0.210	0.006	coneprog.py:1900(fG)
103	36	0.001	0.000	0.210	0.006	misc.py:801(sgemv)
104	2	0.000	0.000	0.127	0.063	ocsvm.py:58(gram)
105	2	0.000	0.000	0.127	0.063	pairwise.py:1164(pairwise_kernels)
106	2	0.000	0.000	0.127	0.063	pairwise.py:949(_parallel_pairwise)
107	2	0.050	0.025	0.127	0.063	pairwise.py:740(rbf_kernel)
108	70	0.121	0.002	0.121	0.002	{cvxopt.blas.trsv}
109	18	0.084	0.005	0.084	0.005	{cvxopt.blas.trsm}
110	2	0.030	0.015	0.077	0.038	pairwise.py:136(euclidean_distances)
111	2	0.000	0.000	0.046	0.023	extmath.py:171(safe_sparse_dot)
112	2	0.046	0.023	0.046	0.023	{numpy.core._dotblas.dot}
113	2	0.000	0.000	0.040	0.020	shape_base.py:179(vstack)
114	2	0.040	0.020	0.040	0.020	{numpy.core.multiarray.concatenate}
115	18	0.000	0.000	0.037	0.002	coneprog.py:1847(fP)
116	18	0.037	0.002	0.037	0.002	{cvxopt.base.sylv}
117	2	0.005	0.002	0.011	0.005	twodim_base.py:221(diag)

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118      17  0.007  0.000  0.008  0.000 misc.py:422(update_scaling)
119      4  0.006  0.001  0.006  0.001 {numpy.core.multiarray.zeros}
120     125  0.002  0.000  0.002  0.000 {range}
121      1  0.000  0.000  0.002  0.002 ocsvm.py:45(rho)
122     102  0.002  0.000  0.002  0.000 {cvxopt.misc_solvers.scale2}
123     311  0.002  0.000  0.002  0.000 {cvxopt.blas.axpy}
124      36  0.001  0.000  0.001  0.000 {cvxopt.base.sqrt}
125      34  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.sinv}
126     103  0.001  0.000  0.001  0.000 {cvxopt.misc_solvers.scale}
127     139  0.001  0.000  0.001  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 0.048 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  0.048  0.048 evaluation_2.py:137(sklearn_ocsvm)
141      1  0.000  0.000  0.048  0.048 classes.py:941(fit)
142      1  0.000  0.000  0.048  0.048 base.py:99(fit)
143      1  0.000  0.000  0.048  0.048 base.py:211(_dense_fit)
144      1  0.048  0.048  0.048  0.048 {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      1  0.000  0.000  0.000  0.000 getlimits.py:244(__init__)
158      2  0.000  0.000  0.000  0.000 numeric.py:392(asarray)
159      2  0.000  0.000  0.000  0.000 {numpy.core.multiarray.empty}
160      1  0.000  0.000  0.000  0.000 {method 'copy' of 'numpy.ndarray' objects}
161      1  0.000  0.000  0.000  0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
162      1  0.000  0.000  0.000  0.000 validation.py:503(check_random_state)
163      1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
164      2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
165      1  0.000  0.000  0.000  0.000 validation.py:105(_num_samples)
166      3  0.000  0.000  0.000  0.000 validation.py:153(<genexpr>)
167      2  0.000  0.000  0.000  0.000 base.py:702(isspmatrix)
168      3  0.000  0.000  0.000  0.000 {isinstance}
169      3  0.000  0.000  0.000  0.000 {hasattr}
170      1  0.000  0.000  0.000  0.000 base.py:203(_warn_from_fit_status)
171      1  0.000  0.000  0.000  0.000 getlimits.py:269(max)
172      1  0.000  0.000  0.000  0.000 {method 'append' of 'list' objects}
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      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						