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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 haberman: nu=0.75, gamma=0.1
3 data size: 306
4 break_count: 286
5 train_size: 193.0
6 singular matrix
7 Confusion matrix:
8 [[ 59 22]
9  [185 40]]
10 precision: 0.645161290323, recall: 0.177777777778, f1-score: 0.278745644599
11 -----
12 Confusion matrix:
13 Prediction -1 1
14 Target
15 -1      48 33
16 1      146 79
17 precision: 0.705357142857, recall: 0.351111111111, f1-score: 0.46884272997
18 -----
19 Confusion matrix:
20 Prediction -1 1
21 Target
22 -1      20 61
23 1      59 166
24 precision: 0.73127753304, recall: 0.737777777778, f1-score: 0.734513274336
25
26 *** PROFILER RESULTS ***
27 incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:145
28 )
29 function called 1 times
30
31 19964 function calls in 9.742 seconds
32
33 Ordered by: cumulative time, internal time, call count
34 List reduced from 135 to 40 due to restriction <40>
35
36 ncalls  tottime  percall  cumtime  percall  filename:lineno(function)
37 1      0.000    0.000    9.742    9.742    evaluation_2.py:145(incremental_ocsvm)
38 1      9.664    9.664    9.711    9.711    ocsvm.py:98(increment)
39 1      0.000    0.000    0.030    0.030    ocsvm.py:35(fit)
40 1      0.002    0.002    0.030    0.030    ocsvm.py:62(alpha)
41 1      0.000    0.000    0.026    0.026    coneprog.py:4159(qp)
42 1      0.002    0.002    0.026    0.026    coneprog.py:1441(coneqp)
43 11     0.000    0.000    0.017    0.002    coneprog.py:1984(kktsolver)
44 11     0.002    0.000    0.017    0.002    misc.py:1389(factor)
45 14433  0.015    0.000    0.015    0.000    {range}
46 2      0.012    0.006    0.012    0.006    linalg.py:454(inv)
47 444    0.009    0.000    0.009    0.000    {method 'dot' of 'numpy.ndarray' objects}
48 11     0.007    0.001    0.007    0.001    {cvxopt.base.syrk}
49 664    0.006    0.000    0.006    0.000    {min}
50 22     0.005    0.000    0.005    0.000    {cvxopt.lapack.potrf}
51 128    0.003    0.000    0.003    0.000    {cvxopt.base.gemv}
52 2      0.000    0.000    0.003    0.002    ocsvm.py:58(gram)
53 2      0.000    0.000    0.003    0.002    pairwise.py:1164(pairwise_kernels)
54 2      0.000    0.000    0.003    0.002    pairwise.py:949(_parallel_pairwise)
55 2      0.001    0.001    0.003    0.002    pairwise.py:740(rbf_kernel)
56 20     0.000    0.000    0.003    0.000    coneprog.py:2333(f4)
57 20     0.000    0.000    0.003    0.000    coneprog.py:2291(f4_no_ir)
58 21     0.000    0.000    0.003    0.000    misc.py:1489(solve)
59 11     0.002    0.000    0.002    0.000    {cvxopt.base.gemm}

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59 171 0.002 0.000 0.002 0.000 {numpy.core.multiarray.zeros}
60 2 0.001 0.000 0.002 0.001 pairwise.py:136(euclidean_distances)
61 22 0.000 0.000 0.001 0.000 coneprog.py:1900(fG)
62 22 0.000 0.000 0.001 0.000 misc.py:801(sgemv)
63 632 0.001 0.000 0.001 0.000 {numpy.core.multiarray.where}
64 2 0.000 0.000 0.001 0.000 extmath.py:171(safe_sparse_dot)
65 2 0.001 0.000 0.001 0.000 {numpy.core._dotblas.dot}
66 10 0.001 0.000 0.001 0.000 misc.py:422(update_scaling)
67 1 0.001 0.001 0.001 0.001 misc.py:20(<module>)
68 219 0.001 0.000 0.001 0.000 {numpy.core.multiarray.empty}
69 42 0.000 0.000 0.000 0.000 {cvxopt.blas.trsv}
70 202 0.000 0.000 0.000 0.000 {method 'remove' of 'list' objects}
71 2 0.000 0.000 0.000 0.000 shape_base.py:179(vstack)
72 11 0.000 0.000 0.000 0.000 {cvxopt.blas.trsm}
73 25 0.000 0.000 0.000 0.000 {numpy.core.multiarray.array}
74 4 0.000 0.000 0.000 0.000 pairwise.py:57(check_pairwise_arrays)
75 3 0.000 0.000 0.000 0.000 twodim_base.py:221(diag)
76
77
78
79 *** PROFILER RESULTS ***
80 cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:141)
81 function called 1 times
82
83 1858 function calls in 0.187 seconds
84
85 Ordered by: cumulative time, internal time, call count
86 List reduced from 117 to 40 due to restriction <40>
87
88 ncalls tottime percalle cumtime percalle filename:lineno(function)
89 1 0.000 0.000 0.187 0.187 evaluation_2.py:141(cvxopt_ocsvm)
90 1 0.001 0.001 0.187 0.187 ocsvm.py:35(fit)
91 1 0.009 0.009 0.182 0.182 ocsvm.py:62(alpha)
92 1 0.000 0.000 0.166 0.166 coneprog.py:4159(qp)
93 1 0.002 0.002 0.165 0.165 coneprog.py:1441(coneqp)
94 9 0.000 0.000 0.143 0.016 coneprog.py:1984(kktsolver)
95 9 0.006 0.001 0.143 0.016 misc.py:1389(factor)
96 9 0.068 0.008 0.068 0.008 {cvxopt.base.gemm}
97 9 0.054 0.006 0.054 0.006 {cvxopt.base.syrk}
98 18 0.014 0.001 0.014 0.001 {cvxopt.lapack.potrf}
99 104 0.013 0.000 0.013 0.000 {cvxopt.base.gemv}
100 17 0.000 0.000 0.011 0.001 misc.py:1489(solve)
101 16 0.000 0.000 0.011 0.001 coneprog.py:2333(f4)
102 16 0.000 0.000 0.011 0.001 coneprog.py:2291(f4_no_ir)
103 2 0.000 0.000 0.008 0.004 ocsvm.py:58(gram)
104 2 0.000 0.000 0.008 0.004 pairwise.py:1164(pairwise_kernels)
105 2 0.000 0.000 0.008 0.004 pairwise.py:949(_parallel_pairwise)
106 2 0.004 0.002 0.008 0.004 pairwise.py:740(rbf_kernel)
107 18 0.000 0.000 0.005 0.000 coneprog.py:1900(fG)
108 18 0.000 0.000 0.004 0.000 misc.py:801(sgemv)
109 1 0.000 0.000 0.004 0.004 ocsvm.py:45(rho)
110 2 0.002 0.001 0.004 0.002 pairwise.py:136(euclidean_distances)
111 34 0.002 0.000 0.002 0.000 {cvxopt.blas.trsv}
112 2 0.000 0.000 0.002 0.001 shape_base.py:179(vstack)
113 2 0.002 0.001 0.002 0.001 {numpy.core.multiarray.concatenate}
114 2 0.000 0.000 0.002 0.001 extmath.py:171(safe_sparse_dot)
115 2 0.002 0.001 0.002 0.001 {numpy.core._dotblas.dot}
116 9 0.001 0.000 0.001 0.000 {cvxopt.blas.trsm}
117 8 0.001 0.000 0.001 0.000 misc.py:422(update_scaling)

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118      2  0.001  0.000  0.001  0.000 twodim_base.py:221(diag)
119      9  0.000  0.000  0.001  0.000 coneprog.py:1847(fP)
120      9  0.001  0.000  0.001  0.000 {cvxopt.base.symv}
121      4  0.000  0.000  0.000  0.000 pairwise.py:57(check_pairwise_arrays)
122     28  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
123      6  0.000  0.000  0.000  0.000 validation.py:268(check_array)
124    149  0.000  0.000  0.000  0.000 {cvxopt.blas.axpy}
125     62  0.000  0.000  0.000  0.000 {range}
126     19  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
127     48  0.000  0.000  0.000  0.000 {cvxopt.misc_solvers.scale2}
128      2  0.000  0.000  0.000  0.000 data.py:29(Xs)
129
130
131
132 *** PROFILER RESULTS ***
133 sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:137)
134 function called 1 times
135
136      57 function calls in 0.002 seconds
137
138 Ordered by: cumulative time, internal time, call count
139
140 ncalls  tottime  percall  cumtime  percall filename:lineno(function)
141      1  0.000  0.000  0.002  0.002 evaluation_2.py:137(sklearn_ocsvm)
142      1  0.000  0.000  0.002  0.002 classes.py:941(fit)
143      1  0.000  0.000  0.002  0.002 base.py:99(fit)
144      1  0.000  0.000  0.002  0.002 base.py:211(_dense_fit)
145      1  0.002  0.002  0.002  0.002 {sklearn.svm.libsvm.fit}
146      1  0.000  0.000  0.000  0.000 validation.py:268(check_array)
147      1  0.000  0.000  0.000  0.000 validation.py:43(_assert_all_finite)
148      1  0.000  0.000  0.000  0.000 base.py:193(_validate_targets)
149      1  0.000  0.000  0.000  0.000 validation.py:126(_shape_repr)
150      1  0.000  0.000  0.000  0.000 {method 'sum' of 'numpy.ndarray' objects}
151      1  0.000  0.000  0.000  0.000 _methods.py:23(_sum)
152      1  0.000  0.000  0.000  0.000 {method 'reduce' of 'numpy.ufunc' objects}
153      1  0.000  0.000  0.000  0.000 shape_base.py:60(atleast_2d)
154      1  0.000  0.000  0.000  0.000 numeric.py:136(ones)
155      1  0.000  0.000  0.000  0.000 {method 'randint' of 'mtrand.RandomState'
objects}
156      1  0.000  0.000  0.000  0.000 {method 'join' of 'str' objects}
157      5  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
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 getlimits.py:244(__init__)
161      1  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
162      2  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
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:105(_num_samples)
165      3  0.000  0.000  0.000  0.000 {isinstance}
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      6  0.000  0.000  0.000  0.000 {len}
169      3  0.000  0.000  0.000  0.000 {hasattr}
170      1  0.000  0.000  0.000  0.000 {method 'copy' of 'numpy.ndarray' objects}
171      1  0.000  0.000  0.000  0.000 getlimits.py:269(max)
172      2  0.000  0.000  0.000  0.000 {callable}
173      1  0.000  0.000  0.000  0.000 base.py:203(_warn_from_fit_status)
174      1  0.000  0.000  0.000  0.000 validation.py:503(check_random_state)
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	1	0.000	0.000	0.000	0.000	{method 'index' of 'list' objects}
178	0	0.000		0.000		profile:0(profiler)
179						
180						
181						
182						Process finished with exit code 0
183						