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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 data size: 306
3 break_count: 286
4 singular matrix
5 Confusion matrix:
6 Prediction -1 1
7 Target
8 -1      52 29
9 1      165 60
10 precision: 0.674157303371, recall: 0.266666666667, f1-score: 0.382165605096
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 /System/Library/Frameworks/Python.framework/Versions/2.7/Extras/lib/python/
matplotlib/tight_layout.py:225: UserWarning: tight_layout : falling back to Agg renderer
26 warnings.warn("tight_layout : falling back to Agg renderer")
27
28 *** PROFILER RESULTS ***
29 incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:185
)
30 function called 1 times
31
32      11063 function calls in 0.353 seconds
33
34 Ordered by: cumulative time, internal time, call count
35 List reduced from 136 to 40 due to restriction <40>
36
37 ncalls  tottime  percall  cumtime  percall  filename:lineno(function)
38      1   0.000   0.000   0.353   0.353  evaluation_2.py:185(incremental_ocsvm)
39      1   0.263   0.263   0.319   0.319  ocsvm.py:98(increment)
40      1   0.000   0.000   0.034   0.034  ocsvm.py:35(fit)
41      1   0.001   0.001   0.034   0.034  ocsvm.py:62(alpha)
42      1   0.000   0.000   0.031   0.031  coneprog.py:4159(qp)
43      1   0.003   0.003   0.030   0.030  coneprog.py:1441(coneqp)
44     11   0.000   0.000   0.018   0.002  coneprog.py:1984(kktsolver)
45     11   0.002   0.000   0.018   0.002  misc.py:1389(factor)
46      2   0.013   0.007   0.013   0.007  linalg.py:454(inv)
47    1010   0.012   0.000   0.012   0.000 {method 'dot' of 'numpy.ndarray' objects}
48     314   0.009   0.000   0.011   0.000 numeric.py:966(outer)
49    1255   0.010   0.000   0.010   0.000 {min}
50     11   0.009   0.001   0.009   0.001 {cvxopt.base.syrk}
51     22   0.005   0.000   0.005   0.000 {cvxopt.lapack.potrf}
52    128   0.004   0.000   0.004   0.000 {cvxopt.base.gemv}
53     20   0.000   0.000   0.003   0.000 coneprog.py:2333(f4)
54     20   0.000   0.000   0.003   0.000 coneprog.py:2291(f4_no_ir)
55     21   0.000   0.000   0.003   0.000 misc.py:1489(solve)
56      2   0.000   0.000   0.003   0.002  ocsvm.py:58(gram)
57      2   0.000   0.000   0.003   0.002  pairwise.py:1164(pairwise_kernels)

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58      2  0.000  0.000  0.003  0.002 pairwise.py:949(_parallel_pairwise)
59      2  0.001  0.000  0.003  0.002 pairwise.py:740(rbf_kernel)
60     558  0.003  0.000  0.003  0.000 {numpy.core.multiarray.zeros}
61      11  0.002  0.000  0.002  0.000 {cvxopt.base.gemm}
62    1220  0.002  0.000  0.002  0.000 {numpy.core.multiarray.where}
63     634  0.001  0.000  0.002  0.000 numeric.py:392(asarray)
64      2  0.001  0.000  0.002  0.001 pairwise.py:136(euclidean_distances)
65     22  0.000  0.000  0.002  0.000 coneprog.py:1900(fG)
66     22  0.000  0.000  0.002  0.000 misc.py:801(sgemv)
67     653  0.001  0.000  0.001  0.000 {numpy.core.multiarray.array}
68     469  0.001  0.000  0.001  0.000 {numpy.core.multiarray.empty}
69     102  0.000  0.000  0.001  0.000 numeric.py:136(ones)
70     10  0.001  0.000  0.001  0.000 misc.py:422(update_scaling)
71      2  0.000  0.000  0.001  0.000 extmath.py:171(safe_sparse_dot)
72      2  0.001  0.000  0.001  0.000 {numpy.core._dotblas.dot}
73     396  0.001  0.000  0.001  0.000 {method 'remove' of 'list' objects}
74      1  0.001  0.001  0.001  0.001 misc.py:20(<module>)
75     102  0.000  0.000  0.000  0.000 {numpy.core.multiarray.copyto}
76     629  0.000  0.000  0.000  0.000 {method 'ravel' of 'numpy.ndarray' objects}
77     42  0.000  0.000  0.000  0.000 {cvxopt.blas.trsv}
78
79
80
81 *** PROFILER RESULTS ***
82 cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:181)
83 function called 1 times
84
85     1858 function calls in 0.189 seconds
86
87 Ordered by: cumulative time, internal time, call count
88 List reduced from 117 to 40 due to restriction <40>
89
90 ncalls  tottime  percalle  cumtime  percalle  filename:lineno(function)
91      1  0.000  0.000  0.189  0.189 evaluation_2.py:181(cvxopt_ocsvm)
92      1  0.001  0.001  0.189  0.189 ocsvm.py:35(fit)
93      1  0.010  0.010  0.184  0.184 ocsvm.py:62(alpha)
94      1  0.000  0.000  0.166  0.166 coneprog.py:4159(qp)
95      1  0.002  0.002  0.165  0.165 coneprog.py:1441(coneqp)
96      9  0.000  0.000  0.143  0.016 coneprog.py:1984(kktsolver)
97      9  0.006  0.001  0.143  0.016 misc.py:1389(factor)
98      9  0.068  0.008  0.068  0.008 {cvxopt.base.gemm}
99      9  0.053  0.006  0.053  0.006 {cvxopt.base.syrk}
100     18  0.015  0.001  0.015  0.001 {cvxopt.lapack.potrf}
101    104  0.013  0.000  0.013  0.000 {cvxopt.base.gemv}
102     17  0.001  0.000  0.011  0.001 misc.py:1489(solve)
103     16  0.000  0.000  0.011  0.001 coneprog.py:2333(f4)
104     16  0.000  0.000  0.011  0.001 coneprog.py:2291(f4_no_ir)
105      2  0.000  0.000  0.009  0.005 ocsvm.py:58(gram)
106      2  0.000  0.000  0.009  0.005 pairwise.py:1164(pairwise_kernels)
107      2  0.000  0.000  0.009  0.005 pairwise.py:949(_parallel_pairwise)
108      2  0.005  0.002  0.009  0.005 pairwise.py:740(rbf_kernel)
109      1  0.000  0.000  0.005  0.005 ocsvm.py:45(rho)
110     18  0.000  0.000  0.004  0.000 coneprog.py:1900(fG)
111     18  0.000  0.000  0.004  0.000 misc.py:801(sgemv)
112      2  0.002  0.001  0.004  0.002 pairwise.py:136(euclidean_distances)
113     34  0.002  0.000  0.002  0.000 {cvxopt.blas.trsv}
114      2  0.000  0.000  0.002  0.001 shape_base.py:179(vstack)
115      2  0.000  0.000  0.002  0.001 extmath.py:171(safe_sparse_dot)
116      2  0.002  0.001  0.002  0.001 {numpy.core._dotblas.dot}

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117	2	0.002	0.001	0.002	0.001	{numpy.core.multiarray.concatenate}
118	9	0.001	0.000	0.001	0.000	{cvxopt.blas.trsm}
119	8	0.001	0.000	0.001	0.000	misc.py:422(update_scaling)
120	2	0.001	0.000	0.001	0.000	twodim_base.py:221(diag)
121	9	0.000	0.000	0.001	0.000	coneprog.py:1847(fP)
122	9	0.001	0.000	0.001	0.000	{cvxopt.base.symv}
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	149	0.000	0.000	0.000	0.000	{cvxopt.blas.axpy}
126	6	0.000	0.000	0.000	0.000	validation.py:268(check_array)
127	48	0.000	0.000	0.000	0.000	{cvxopt.misc_solvers.scale2}
128	62	0.000	0.000	0.000	0.000	{range}
129	19	0.000	0.000	0.000	0.000	numeric.py:462(asanyarray)
130	10	0.000	0.000	0.000	0.000	shape_base.py:60(atleast_2d)
131						
132						
133						
134	*** PROFILER RESULTS ***					
135	sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:177)					
136	function called 1 times					
137						
138	57 function calls in 0.002 seconds					
139						
140	Ordered by: cumulative time, internal time, call count					
141						
142	ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
143	1	0.000	0.000	0.002	0.002	evaluation_2.py:177(sklearn_ocsvm)
144	1	0.000	0.000	0.002	0.002	classes.py:941(fit)
145	1	0.000	0.000	0.002	0.002	base.py:99(fit)
146	1	0.000	0.000	0.002	0.002	base.py:211(_dense_fit)
147	1	0.002	0.002	0.002	0.002	{sklearn.svm.libsvm.fit}
148	1	0.000	0.000	0.000	0.000	validation.py:268(check_array)
149	1	0.000	0.000	0.000	0.000	validation.py:43(_assert_all_finite)
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 'join' of 'str' objects}
152	1	0.000	0.000	0.000	0.000	{method 'sum' of 'numpy.ndarray' objects}
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	_methods.py:23(_sum)
155	1	0.000	0.000	0.000	0.000	{method 'reduce' of 'numpy.ufunc' objects}
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	base.py:193(_validate_targets)
159	1	0.000	0.000	0.000	0.000	getlimits.py:244(__init__)
160	5	0.000	0.000	0.000	0.000	{numpy.core.multiarray.array}
161	3	0.000	0.000	0.000	0.000	validation.py:153(<genexpr>)
162	1	0.000	0.000	0.000	0.000	validation.py:105(_num_samples)
163	2	0.000	0.000	0.000	0.000	numeric.py:392(asarray)
164	2	0.000	0.000	0.000	0.000	{numpy.core.multiarray.empty}
165	1	0.000	0.000	0.000	0.000	{sklearn.svm.libsvm.set_verbosity_wrap}
166	1	0.000	0.000	0.000	0.000	{numpy.core.multiarray.copyto}
167	2	0.000	0.000	0.000	0.000	base.py:702(isspmatrix)
168	1	0.000	0.000	0.000	0.000	getlimits.py:269(max)
169	2	0.000	0.000	0.000	0.000	numeric.py:462(asanyarray)
170	3	0.000	0.000	0.000	0.000	{hasattr}
171	1	0.000	0.000	0.000	0.000	{method 'copy' of 'numpy.ndarray' objects}
172	1	0.000	0.000	0.000	0.000	validation.py:503(check_random_state)
173	6	0.000	0.000	0.000	0.000	{len}
174	3	0.000	0.000	0.000	0.000	{isinstance}

175	2	0.000	0.000	0.000	0.000	{callable}
176	1	0.000	0.000	0.000	0.000	base.py:203(_warn_from_fit_status)
177	1	0.000	0.000	0.000	0.000	{method 'append' of 'list' objects}
178	1	0.000	0.000	0.000	0.000	{method 'disable' of '_lsprof.Profiler' objects}
179	1	0.000	0.000	0.000	0.000	{method 'index' of 'list' objects}
180	0	0.000		0.000		profile:0(profiler)
181						
182						
183						
184						Process finished with exit code 0
185						