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1 /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
2 haberman: nu=0.75, gamma=1
3 data size: 306
4 break_count: 286
5 train_size: 193.0
6 singular matrix
7 Confusion matrix:
8 [[ 23  58]
9  [ 61 164]]
10 precision: 0.738738738739, recall: 0.728888888889, f1-score: 0.733780760626
11 -----
12 Confusion matrix:
13 Prediction -1  1
14 Target
15 -1      18  63
16  1      52 173
17 precision: 0.733050847458, recall: 0.768888888889, f1-score: 0.750542299349
18 -----
19 Confusion matrix:
20 Prediction -1  1
21 Target
22 -1      21  60
23  1      58 167
24 precision: 0.735682819383, recall: 0.742222222222, f1-score: 0.738938053097
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 12140 function calls in 0.562 seconds
32
33 Ordered by: cumulative time, internal time, call count
34 List reduced from 136 to 40 due to restriction <40>
35
36 ncalls  tottime  percall  cumtime  percall  filename:lineno(function)
37 1 0.000 0.000 0.562 0.562 evaluation_2.py:145(incremental_ocsvm)
38 1 0.502 0.502 0.526 0.526 ocsvm.py:98(increment)
39 1 0.000 0.000 0.036 0.036 ocsvm.py:35(fit)
40 1 0.001 0.001 0.036 0.036 ocsvm.py:62(alpha)
41 1 0.000 0.000 0.033 0.033 coneprog.py:4159(qp)
42 1 0.003 0.003 0.033 0.033 coneprog.py:1441(coneqp)
43 13 0.000 0.000 0.019 0.001 coneprog.py:1984(kktsolver)
44 13 0.002 0.000 0.019 0.001 misc.py:1389(factor)
45 13 0.008 0.001 0.008 0.001 {cvxopt.base.syrk}
46 1310 0.007 0.000 0.007 0.000 {min}
47 26 0.006 0.000 0.006 0.000 {cvxopt.lapack.potrf}
48 1090 0.005 0.000 0.005 0.000 {method 'dot' of 'numpy.ndarray' objects}
49 1 0.004 0.004 0.004 0.004 misc.py:20(<module>)
50 152 0.003 0.000 0.003 0.000 {cvxopt.base.gemv}
51 24 0.000 0.000 0.003 0.000 coneprog.py:2333(f4)
52 24 0.000 0.000 0.003 0.000 coneprog.py:2291(f4_no_ir)
53 25 0.000 0.000 0.003 0.000 misc.py:1489(solve)
54 2 0.000 0.000 0.003 0.001 ocsvm.py:58(gram)
55 2 0.000 0.000 0.003 0.001 pairwise.py:1164(pairwise_kernels)
56 2 0.000 0.000 0.003 0.001 pairwise.py:949(_parallel_pairwise)
57 2 0.001 0.000 0.003 0.001 pairwise.py:740(rbf_kernel)
58 118 0.002 0.000 0.002 0.000 numeric.py:966(outer)
59 13 0.002 0.000 0.002 0.000 {cvxopt.base.gemm}

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59 1262 0.002 0.000 0.002 0.000 {numpy.core.multiarray.where}
60 26 0.000 0.000 0.002 0.000 coneprog.py:1900(fG)
61 220 0.000 0.000 0.002 0.000 numeric.py:136(ones)
62 26 0.000 0.000 0.002 0.000 misc.py:801(sgemv)
63 2 0.001 0.000 0.001 0.001 pairwise.py:136(euclidean_distances)
64 1975 0.001 0.000 0.001 0.000 {range}
65 564 0.001 0.000 0.001 0.000 {numpy.core.multiarray.empty}
66 436 0.001 0.000 0.001 0.000 {method 'remove' of 'list' objects}
67 12 0.001 0.000 0.001 0.000 misc.py:422(update_scaling)
68 220 0.001 0.000 0.001 0.000 {numpy.core.multiarray.copyto}
69 2 0.000 0.000 0.001 0.000 extmath.py:171(safe_sparse_dot)
70 2 0.001 0.000 0.001 0.000 {numpy.core._dotblas.dot}
71 2 0.001 0.000 0.001 0.000 linalg.py:454(inv)
72 261 0.000 0.000 0.000 0.000 {numpy.core.multiarray.array}
73 50 0.000 0.000 0.000 0.000 {cvxopt.blas.trsv}
74 242 0.000 0.000 0.000 0.000 numeric.py:392(asarray)
75 13 0.000 0.000 0.000 0.000 {cvxopt.blas.trsm}
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 2026 function calls in 0.196 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 0.196 0.196 evaluation_2.py:141(cvxopt_ocsvm)
90 1 0.001 0.001 0.196 0.196 ocsvm.py:35(fit)
91 1 0.009 0.009 0.193 0.193 ocsvm.py:62(alpha)
92 1 0.000 0.000 0.176 0.176 coneprog.py:4159(qp)
93 1 0.002 0.002 0.176 0.176 coneprog.py:1441(coneqp)
94 10 0.000 0.000 0.154 0.015 coneprog.py:1984(kktsolver)
95 10 0.006 0.001 0.154 0.015 misc.py:1389(factor)
96 10 0.073 0.007 0.073 0.007 {cvxopt.base.gemm}
97 10 0.058 0.006 0.058 0.006 {cvxopt.base.syrk}
98 20 0.016 0.001 0.016 0.001 {cvxopt.lapack.potrf}
99 116 0.013 0.000 0.013 0.000 {cvxopt.base.gemv}
100 18 0.000 0.000 0.012 0.001 coneprog.py:2333(f4)
101 19 0.000 0.000 0.012 0.001 misc.py:1489(solve)
102 18 0.000 0.000 0.011 0.001 coneprog.py:2291(f4_no_ir)
103 2 0.000 0.000 0.006 0.003 ocsvm.py:58(gram)
104 2 0.000 0.000 0.006 0.003 pairwise.py:1164(pairwise_kernels)
105 2 0.000 0.000 0.006 0.003 pairwise.py:949(_parallel_pairwise)
106 2 0.003 0.001 0.006 0.003 pairwise.py:740(rbf_kernel)
107 20 0.000 0.000 0.004 0.000 coneprog.py:1900(fG)
108 20 0.000 0.000 0.004 0.000 misc.py:801(sgemv)
109 2 0.001 0.001 0.003 0.002 pairwise.py:136(euclidean_distances)
110 38 0.002 0.000 0.002 0.000 {cvxopt.blas.trsv}
111 1 0.000 0.000 0.002 0.002 ocsvm.py:45(rho)
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 0.001 0.001 0.001 0.001 {numpy.core._dotblas.dot}
116 10 0.001 0.000 0.001 0.000 {cvxopt.blas.trsm}
117 9 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     10  0.000  0.000  0.001  0.000 coneprog.py:1847(fP)
120     10  0.001  0.000  0.001  0.000 {cvxopt.base.symv}
121      4  0.000  0.000  0.001  0.000 pairwise.py:57(check_pairwise_arrays)
122      6  0.000  0.000  0.000  0.000 validation.py:268(check_array)
123     54  0.000  0.000  0.000  0.000 {cvxopt.misc_solvers.scale2}
124     28  0.000  0.000  0.000  0.000 {numpy.core.multiarray.array}
125    167  0.000  0.000  0.000  0.000 {cvxopt.blas.axpy}
126     69  0.000  0.000  0.000  0.000 {range}
127     19  0.000  0.000  0.000  0.000 numeric.py:462(asanyarray)
128     10  0.000  0.000  0.000  0.000 shape_base.py:60(atleast_2d)
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 0.004 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   0.004   0.004 evaluation_2.py:137(sklearn_ocsvm)
142         1  0.000   0.000   0.004   0.004 classes.py:941(fit)
143         1  0.000   0.000   0.004   0.004 base.py:99(fit)
144         1  0.000   0.000   0.004   0.004 base.py:211(_dense_fit)
145         1  0.003   0.003   0.003   0.003 {sklearn.svm.libsvm.fit}
146         1  0.001   0.001   0.001   0.001 {sklearn.svm.libsvm.set_verbosity_wrap}
147         1  0.000   0.000   0.000   0.000 validation.py:268(check_array)
148         1  0.000   0.000   0.000   0.000 validation.py:43(_assert_all_finite)
149         1  0.000   0.000   0.000   0.000 numeric.py:136(ones)
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 'sum' of 'numpy.ndarray' objects}
152         1  0.000   0.000   0.000   0.000 _methods.py:23(_sum)
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         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 base.py:193(_validate_targets)
157         5  0.000   0.000   0.000   0.000 {numpy.core.multiarray.array}
158         1  0.000   0.000   0.000   0.000 {method 'join' of 'str' objects}
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:392(asarray)
163         3  0.000   0.000   0.000   0.000 validation.py:153(<genexpr>)
164         1  0.000   0.000   0.000   0.000 validation.py:105(_num_samples)
165         2  0.000   0.000   0.000   0.000 numeric.py:462(asanyarray)
166         2  0.000   0.000   0.000   0.000 base.py:702(isspmatrix)
167         1  0.000   0.000   0.000   0.000 {method 'copy' of 'numpy.ndarray' objects}
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 base.py:203(_warn_from_fit_status)
171         1  0.000   0.000   0.000   0.000 validation.py:503(check_random_state)
172         3  0.000   0.000   0.000   0.000 {isinstance}
173         2  0.000   0.000   0.000   0.000 {callable}
174         1  0.000   0.000   0.000   0.000 getlimits.py:269(max)
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 'index' of 'list' objects}
177	1	0.000	0.000	0.000	0.000	{method 'disable' of '_lsprof.Profiler' objects}
178	0	0.000		0.000		profile:0(profiler)
179						
180						
181						
182						Process finished with exit code 0
183						