```
/usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation 2.py
 2 haberman: nu=0.1, gamma=3
 3 data size: 306
 4 break_count: 286
   train_size: 26.0
   Confusion matrix:
   [[ 72 9]
    [206 19]]
   precision: 0.678571428571, recall: 0.084444444444, f1-score: 0.150197628458
11
   Confusion matrix:
12
    Prediction -1 1
13
   Target
14
            71 10
   -1
15
    1
           206 19
   precision: 0.655172413793, recall: 0.084444444444, f1-score: 0.149606299213
16
17
18 Confusion matrix:
19
    Prediction -1 1
20
   Target
21
22
   -1
            71 10
    1
           206 19
23
    precision: 0.655172413793, recall: 0.084444444444, f1-score: 0.149606299213
24
25
    *** PROFILER RESULTS ***
26
    incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:132
27
    function called 1 times
28
29
         7719 function calls in 0.134 seconds
30
31
     Ordered by: cumulative time, internal time, call count
32
     List reduced from 135 to 40 due to restriction <40>
33
34
     ncalls tottime percall cumtime percall filename:lineno(function)
35
        1
            0.000
                   0.000 0.134
                                  0.134 evaluation_2.py:132(incremental_ocsvm)
36
        1
            0.112
                          0.128
                                  0.128 ocsvm.py:98(increment)
                   0.112
37
            0.000
                                  0.006 ocsvm.py:35(fit)
        1
                  0.000 \quad 0.006
38
                   0.000 0.006
        1
            0.000
                                  0.006 ocsvm.py:62(alpha)
                   0.000
39
            0.000
                          0.005
                                  0.005 coneprog.py:4159(qp)
        1
40
        1
                           0.005
                                  0.005 coneprog.py:1441(coneqp)
            0.001
                   0.001
41
       932 0.004 0.000 0.004
                                   0.000 {method 'dot' of 'numpy.ndarray' objects}
42
       931
            0.003 0.000 0.003
                                   0.000 \{ \min \}
43
            0.000 0.000 0.002
        2 2 2
                                  0.001 ocsvm.py:58(gram)
44
            0.000
                   0.000
                           0.002
                                   0.001 pairwise.py:1164(pairwise_kernels)
45
            0.000
                   0.000
                           0.002
                                   0.001 pairwise.py:949(_parallel_pairwise)
        2
46
            0.001
                   0.000
                           0.002
                                   0.001 pairwise.py:740(rbf_kernel)
47
        79
                           0.002
            0.001
                   0.000
                                   0.000 numeric.py:966(outer)
48
                           0.001
       906
            0.001 0.000
                                   0.000 {numpy.core.multiarray.where}
49
            0.000 0.000
                           0.001
       147
                                   0.000 numeric.py:136(ones)
50
        2 0.000 0.000 0.001
                                  0.001 pairwise.py:136(euclidean_distances)
51
       387
            0.001 0.000 0.001
                                   0.000 {numpy.core.multiarray.empty}
                                  0.001 misc.py:20(<module>)
52
           0.001
                   0.001
                           0.001
        1
53
        9
           0.000
                   0.000
                           0.001
                                   0.000 coneprog.py:1984(kktsolver)
        9
54
                           0.001
                                   0.000 misc.py:1389(factor)
           0.000
                   0.000
55
                                    0.000 {numpy.core.multiarray.copyto}
       147
            0.001
                    0.000
                            0.001
56
        181
                           0.001
             0.000
                    0.000
                                   0.000 {numpy.core.multiarray.array}
                   0.000
57
            0.000
                           0.000
        16
                                   0.000 coneprog.py:2333(f4)
58
        4
           0.000
                   0.000
                           0.000
                                  0.000 pairwise.py:57(check_pairwise_arrays)
```

File - unknown

```
0.000
                     0.000
                             0.000
                                    0.000 coneprog.py:2291(f4_no_ir)
 59
         16
 60
         8
             0.000
                     0.000
                            0.000
                                    0.000 shape base.py:60(atleast 2d)
         2
                            0.000
 61
             0.000
                     0.000
                                    0.000 shape_base.py:179(vstack)
         2
             0.000
                            0.000
 62
                     0.000
                                    0.000 extmath.py:171(safe_sparse_dot)
 63
              0.000 0.000
                             0.000
                                     0.000 numeric.py:392(asarray)
         162
 64
         15
             0.000
                     0.000
                             0.000
                                     0.000 numeric.py:462(asanyarray)
 65
         2
             0.000
                    0.000
                            0.000
                                    0.000 {numpy.core._dotblas.dot}
 66
         1
             0.000
                     0.000
                            0.000
                                    0.000 ocsvm.py:45(rho)
                            0.000
 67
         4
             0.000
                     0.000
                                    0.000 validation.py:268(check_array)
 68
         17
             0.000
                     0.000
                             0.000
                                     0.000 misc.py:1489(solve)
 69
             0.000 0.000
                             0.000
        265
                                     0.000 {method 'remove' of 'list' objects}
 70
         5
             0.000
                     0.000
                            0.000
                                    0.000 _internal.py:361(_dtype_from_pep3118)
         8
 71
             0.000
                            0.000
                     0.000
                                    0.000 misc.py:422(update_scaling)
 72
         137
              0.000
                      0.000
                              0.000
                                     0.000 {numpy.core.multiarray.zeros}
 73
                                     0.000 {range}
        357
              0.000
                      0.000
                              0.000
 74
        104
              0.000
                      0.000
                              0.000
                                     0.000 {cvxopt.base.gemv}
 75
 76
 77
 78
     *** PROFILER RESULTS ***
 79
     cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:128)
 80
     function called 1 times
 81
 82
          2530 function calls in 0.088 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
             0.000
                    0.000
                            0.088
                                    0.088 evaluation_2.py:128(cvxopt_ocsvm)
         1
 89
         1
             0.000
                     0.000
                            0.088
                                    0.088 ocsvm.py:35(fit)
 90
         1
             0.004
                     0.004
                            0.087
                                    0.087 ocsvm.py:62(alpha)
 91
             0.000
                     0.000
                            0.080
         1
                                    0.080 coneprog.py:4159(qp)
 92
                            0.080
                                    0.080 coneprog.py:1441(coneqp)
         1
             0.002
                     0.002
 93
                                     0.005 coneprog.py:1984(kktsolver)
         13
             0.000
                     0.000
                             0.063
 94
         13
             0.004
                     0.000
                             0.063
                                     0.005 misc.py:1389(factor)
 95
         13
             0.028
                     0.002
                             0.028
                                     0.002 {cvxopt.base.syrk}
 96
             0.020
                             0.020
         13
                     0.002
                                     0.002 {cvxopt.base.gemm}
 97
              0.010
         26
                     0.000
                             0.010
                                     0.000 {cvxopt.lapack.potrf}
 98
         152
              0.008
                     0.000
                             0.008
                                     0.000 {cvxopt.base.gemv}
 99
         24
              0.000
                     0.000
                             0.007
                                     0.000 coneprog.py:2333(f4)
         24
100
              0.000
                     0.000
                             0.007
                                     0.000 coneprog.py:2291(f4_no_ir)
         25
                                     0.000 misc.py:1489(solve)
101
              0.000
                     0.000
                             0.007
         26
102
              0.000
                     0.000
                             0.003
                                     0.000 coneprog.py:1900(fG)
         26
                     0.000
                             0.003
                                     0.000 misc.py:801(sgemv)
103
             0.000
         2
104
             0.000
                     0.000
                            0.002
                                    0.001 ocsvm.py:58(gram)
         2
105
             0.000
                     0.000
                            0.002
                                    0.001 pairwise.py:1164(pairwise_kernels)
106
             0.000
                     0.000
                            0.002
                                    0.001 pairwise.py:949(_parallel_pairwise)
         2
                                    0.001 pairwise.py:740(rbf_kernel)
107
             0.001
                     0.000
                            0.002
         50
108
             0.001
                     0.000
                             0.001
                                     0.000 {cvxopt.blas.trsv}
                     0.000
                             0.001
109
         12
             0.001
                                     0.000 misc.py:422(update_scaling)
110
         2
             0.000
                     0.000
                            0.001
                                    0.001 shape_base.py:179(vstack)
         2
             0.000
                     0.000
                            0.001
                                    0.000 pairwise.py:136(euclidean_distances)
111
         13
112
             0.001
                     0.000
                             0.001
                                     0.000 {cvxopt.blas.trsm}
             0.000
                     0.000
                             0.001
113
         13
                                     0.000 coneprog.py:1847(fP)
                             0.001
114
         2
             0.001
                     0.000
                                    0.000 {numpy.core.multiarray.concatenate}
         13
                             0.001
115
             0.001
                     0.000
                                     0.000 {cvxopt.base.symv}
             0.000
                            0.001
116
         1
                     0.000
                                    0.001 ocsvm.py:45(rho)
117
         4
             0.000
                     0.000
                            0.000
                                    0.000 pairwise.py:57(check_pairwise_arrays)
```

File - unknown

```
0.000
                      0.000
                              0.000
                                      0.000 {cvxopt.blas.axpy}
118
         221
119
         28
              0.000
                      0.000
                              0.000
                                      0.000 {numpy.core.multiarray.array}
          2
120
             0.000
                     0.000
                             0.000
                                     0.000 twodim_base.py:221(diag)
                             0.000
121
          6
             0.000
                     0.000
                                     0.000 validation.py:268(check_array)
122
          2
                             0.000
                                     0.000 extmath.py:171(safe_sparse_dot)
             0.000
                     0.000
123
          10
              0.000
                      0.000
                              0.000
                                      0.000 shape_base.py:60(atleast_2d)
124
          19
              0.000
                     0.000
                              0.000
                                      0.000 numeric.py:462(asanyarray)
125
          2
             0.000
                     0.000
                             0.000
                                     0.000 {numpy.core._dotblas.dot}
         90
126
              0.000
                      0.000
                              0.000
                                      0.000 {range}
127
         72
              0.000
                      0.000
                              0.000
                                      0.000 {cvxopt.misc_solvers.scale2}
128
129
130
     *** PROFILER RESULTS ***
131
132
     sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:125)
133
     function called 1 times
134
135
           57 function calls in 0.001 seconds
136
137
       Ordered by: cumulative time, internal time, call count
138
139
       ncalls tottime percall cumtime percall filename:lineno(function)
140
                     0.000
             0.000
                             0.001
                                     0.001 evaluation_2.py:125(sklearn_ocsvm)
          1
          1
             0.000
                     0.000
                             0.001
                                     0.001 classes.py:941(fit)
141
142
          1
             0.000
                     0.000
                             0.001
                                     0.001 base.py:99(fit)
143
          1
             0.000
                     0.000
                             0.001
                                     0.001 base.py:211(_dense_fit)
144
          1
             0.001
                     0.001
                             0.001
                                     0.001 {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
          5
             0.000
                     0.000
                             0.000
                                     0.000 {numpy.core.multiarray.array}
          1
148
             0.000
                     0.000
                             0.000
                                     0.000 validation.py:126(_shape_repr)
149
          2
             0.000
                     0.000
                             0.000
                                     0.000 numeric.py:392(asarray)
150
             0.000
                     0.000
                             0.000
          1
                                     0.000 {method 'sum' of 'numpy.ndarray' objects}
             0.000
151
          1
                     0.000
                             0.000
                                     0.000 _methods.py:23(_sum)
152
          1
             0.000
                             0.000
                                     0.000 {method 'join' of 'str' objects}
                     0.000
153
          1
             0.000
                     0.000
                             0.000
                                     0.000 numeric.py:136(ones)
154
          1
              0.000
                     0.000
                             0.000
                                     0.000 {method 'randint' of 'mtrand.RandomState'
     objects}
155
                     0.000
                             0.000
             0.000
                                     0.000 {method 'reduce' of 'numpy.ufunc' objects}
          1
             0.000
                     0.000
                             0.000
156
          1
                                     0.000 shape_base.py:60(atleast_2d)
157
                     0.000
                             0.000
          1
             0.000
                                     0.000 base.py:193(_validate_targets)
158
          3
                             0.000
                                     0.000 validation.py:153(<genexpr>)
             0.000
                     0.000
159
                                     0.000 getlimits.py:244(__init__)
          1
              0.000
                     0.000
                             0.000
          2
160
             0.000
                     0.000
                             0.000
                                     0.000 {numpy.core.multiarray.empty}
          1
                             0.000
161
             0.000
                     0.000
                                     0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
162
          1
             0.000
                     0.000
                             0.000
                                     0.000 {numpy.core.multiarray.copyto}
163
          2
             0.000
                     0.000
                             0.000
                                     0.000 base.py:702(isspmatrix)
164
          1
             0.000
                     0.000
                             0.000
                                     0.000 validation.py:105(_num_samples)
          2
165
             0.000
                     0.000
                             0.000
                                     0.000 numeric.py:462(asanyarray)
          1
166
              0.000
                     0.000
                             0.000
                                     0.000 validation.py:503(check_random_state)
          3
             0.000
                             0.000
167
                     0.000
                                     0.000 {hasattr}
          1
             0.000
                     0.000
                             0.000
                                     0.000 {method 'copy' of 'numpy.ndarray' objects}
168
          3
169
             0.000
                     0.000
                             0.000
                                     0.000 {isinstance}
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)
                                     0.000 {method 'disable' of '_lsprof.Profiler' objects}
172
          1
             0.000
                     0.000
                             0.000
173
          1
              0.000
                     0.000
                             0.000
                                     0.000 {method 'index' of 'list' objects}
174
                             0.000
                                     0.000 \{len\}
          6
             0.000
                     0.000
175
          2
             0.000
                     0.000
                             0.000
                                     0.000 {callable}
```

File - unknown

File - unknown					
176	1	0.000	0.000 0.000 0.000	0.000 {method 'append' of 'list' objects} profile:0(profiler)	
177	0	0.000	0.000	profile:0(profiler)	
178					
178 179 180					
181	Process	finished	l with exit code (
181 182	riocess	THIISHEC	i willi exil code ()	
102					
1					
1					