```
 1  /usr/bin/python /Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py
 2  data size: 336
 3  break_count: 316
 4  train_size: 29.0
 5  6
 6  [ 0.5539463  0.27693801  0.2184195  0.93964635  0.8405264  0.72052272]
 7  Confusion matrix:
 8  [[ 67  10]
 9   [234  25]]
10  precision: 0.714285714286, recall: 0.0965250965251, f1-score: 0.170068027211
11  --------
12  Confusion matrix:
13  Prediction   -1   1
14  Target
15  -1        66  11
16  1        230  29
17  precision: 0.725, recall: 0.111969111969, f1-score: 0.19397993311
18  ---------
19  Confusion matrix:
20  Prediction   -1   1
21  Target
22  -1        68   9
23  1        234  25
24  precision: 0.735294117647, recall: 0.0965250965251, f1-score: 0.170648464164
25
26  *** PROFILER RESULTS ***
27  incremental_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:183
    )
28  function called 1 times
29
30       13396 function calls in 0.256 seconds
31
32     Ordered by: cumulative time, internal time, call count
33     List reduced from 165 to 40 due to restriction <40>
34
35     ncalls  tottime  percall  cumtime  percall filename:lineno(function)
36        1    0.000    0.000    0.256    0.256 evaluation_2.py:183(incremental_ocsvm)
37        1    0.200    0.200    0.230    0.230 ocsvm.py:98(increment)
38        1    0.000    0.000    0.025    0.025 ocsvm.py:35(fit)
39        1    0.000    0.000    0.025    0.025 ocsvm.py:62(alpha)
40        1    0.000    0.000    0.018    0.018 coneprog.py:4159(qp)
41        1    0.002    0.002    0.018    0.018 coneprog.py:1441(coneqp)
42        2    0.000    0.000    0.009    0.004 ocsvm.py:58(gram)
43        2    0.000    0.000    0.009    0.004 pairwise.py:1164(pairwise_kernels)
44        2    0.000    0.000    0.009    0.004 pairwise.py:949(_parallel_pairwise)
45        2    0.001    0.000    0.009    0.004 pairwise.py:740(rbf_kernel)
46        2    0.001    0.000    0.008    0.004 pairwise.py:136(euclidean_distances)
47        8    0.002    0.000    0.007    0.001 coneprog.py:1984(kktsolver)
48     1625    0.007    0.000    0.007    0.000 {method 'dot' of 'numpy.ndarray' objects}
49        2    0.000    0.000    0.007    0.003 extmath.py:171(safe_sparse_dot)
50        2    0.007    0.003    0.007    0.003 {numpy.core._dotblas.dot}
51      324    0.005    0.000    0.007    0.000 numeric.py:966(outer)
52     1764    0.006    0.000    0.006    0.000 {min}
53        8    0.001    0.000    0.005    0.001 misc.py:1389(factor)
54        1    0.005    0.005    0.005    0.005 misc.py:20(<module>)
55       15    0.000    0.000    0.003    0.000 misc.py:1489(solve)
56     1739    0.002    0.000    0.002    0.000 {numpy.core.multiarray.where}
57       16    0.002    0.000    0.002    0.000 {cvxopt.lapack.potrf}
58      230    0.000    0.000    0.002    0.000 numeric.py:136(ones)
```

	ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
59	671	0.001	0.000	0.001	0.000	{numpy.core.multiarray.empty}
60	653	0.001	0.000	0.001	0.000	numeric.py:392(asarray)
61	677	0.001	0.000	0.001	0.000	{numpy.core.multiarray.array}
62	8	0.001	0.000	0.001	0.000	{cvxopt.base.syrk}
63	8	0.001	0.000	0.001	0.000	{cvxopt.base.gemm}
64	92	0.001	0.000	0.001	0.000	{cvxopt.base.gemv}
65	15	0.001	0.000	0.001	0.000	{cvxopt.lapack.potrs}
66	30	0.001	0.000	0.001	0.000	{cvxopt.blas.trsv}
67	484	0.001	0.000	0.001	0.000	{numpy.core.multiarray.zeros}
68	230	0.001	0.000	0.001	0.000	{numpy.core.multiarray.copyto}
69	515	0.001	0.000	0.001	0.000	{method 'remove' of 'list' objects}
70	1	0.000	0.000	0.001	0.001	numeric.py:1581(array_str)
71	1	0.000	0.000	0.001	0.001	arrayprint.py:343(array2string)
72	1	0.000	0.000	0.001	0.001	arrayprint.py:233(_array2string)
73	8	0.001	0.000	0.001	0.000	{cvxopt.blas.trsm}
74	8	0.000	0.000	0.001	0.000	coneprog.py:1847(fP)
75	20	0.000	0.000	0.001	0.000	numeric.py:462(asanyarray)
76						
77						
78						

79 *** PROFILER RESULTS ***
80 cvxopt_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:179)
81 function called 1 times
82
83   1690 function calls in 0.067 seconds
84
85 Ordered by: cumulative time, internal time, call count
86 List reduced from 117 to 40 due to restriction <40>
87

	ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
88	ncalls	tottime	percall	cumtime	percall	filename:lineno(function)
89	1	0.000	0.000	0.067	0.067	evaluation_2.py:179(cvxopt_ocsvm)
90	1	0.000	0.000	0.067	0.067	ocsvm.py:35(fit)
91	1	0.003	0.003	0.066	0.066	ocsvm.py:62(alpha)
92	1	0.000	0.000	0.059	0.059	coneprog.py:4159(qp)
93	1	0.001	0.001	0.059	0.059	coneprog.py:1441(coneqp)
94	8	0.000	0.000	0.049	0.006	coneprog.py:1984(kktsolver)
95	8	0.003	0.000	0.049	0.006	misc.py:1389(factor)
96	8	0.021	0.003	0.021	0.003	{cvxopt.base.gemm}
97	8	0.018	0.002	0.018	0.002	{cvxopt.base.syrk}
98	16	0.007	0.000	0.007	0.000	{cvxopt.lapack.potrf}
99	92	0.005	0.000	0.005	0.000	{cvxopt.base.gemv}
100	14	0.000	0.000	0.004	0.000	coneprog.py:2333(f4)
101	15	0.000	0.000	0.004	0.000	misc.py:1489(solve)
102	14	0.000	0.000	0.004	0.000	coneprog.py:2291(f4_no_ir)
103	2	0.000	0.000	0.002	0.001	ocsvm.py:58(gram)
104	2	0.000	0.000	0.002	0.001	pairwise.py:1164(pairwise_kernels)
105	2	0.000	0.000	0.002	0.001	pairwise.py:949(_parallel_pairwise)
106	2	0.001	0.000	0.002	0.001	pairwise.py:740(rbf_kernel)
107	16	0.000	0.000	0.002	0.000	coneprog.py:1900(fG)
108	16	0.000	0.000	0.002	0.000	misc.py:801(sgemv)
109	2	0.000	0.000	0.001	0.001	shape_base.py:179(vstack)
110	2	0.001	0.000	0.001	0.001	pairwise.py:136(euclidean_distances)
111	2	0.001	0.000	0.001	0.000	{numpy.core.multiarray.concatenate}
112	30	0.001	0.000	0.001	0.000	{cvxopt.blas.trsv}
113	1	0.000	0.000	0.001	0.001	ocsvm.py:45(rho)
114	7	0.001	0.000	0.001	0.000	misc.py:422(update_scaling)
115	8	0.001	0.000	0.001	0.000	{cvxopt.blas.trsm}
116	8	0.000	0.000	0.000	0.000	coneprog.py:1847(fP)
117	8	0.000	0.000	0.000	0.000	{cvxopt.base.symv}

118	2	0.000	0.000	0.000	0.000 twodim_base.py:221(diag)
119	2	0.000	0.000	0.000	0.000 extmath.py:171(safe_sparse_dot)
120	2	0.000	0.000	0.000	0.000 {numpy.core._dotblas.dot}
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	19	0.000	0.000	0.000	0.000 numeric.py:462(asanyarray)
125	10	0.000	0.000	0.000	0.000 shape_base.py:60(atleast_2d)
126	131	0.000	0.000	0.000	0.000 {cvxopt.blas.axpy}
127	55	0.000	0.000	0.000	0.000 {range}
128	5	0.000	0.000	0.000	0.000 _internal.py:361(_dtype_from_pep3118)
129					
130					
131					
132	*** PROFILER RESULTS ***				
133	sklearn_ocsvm (/Users/LT/Documents/Uni/MA/increOCSVM/evaluation_2.py:175)				
134	function called 1 times				
135					
136	57 function calls in 0.006 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	0.006	0.006 evaluation_2.py:175(sklearn_ocsvm)
142	1	0.000	0.000	0.006	0.006 classes.py:941(fit)
143	1	0.000	0.000	0.006	0.006 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	0.002	0.002	0.002	0.002 {method 'randint' of 'mtrand.RandomState' objects}
147	1	0.000	0.000	0.000	0.000 {sklearn.svm.libsvm.set_verbosity_wrap}
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 numeric.py:136(ones)
150	1	0.000	0.000	0.000	0.000 validation.py:43(_assert_all_finite)
151	2	0.000	0.000	0.000	0.000 {numpy.core.multiarray.empty}
152	1	0.000	0.000	0.000	0.000 {numpy.core.multiarray.copyto}
153	1	0.000	0.000	0.000	0.000 {method 'sum' of 'numpy.ndarray' objects}
154	1	0.000	0.000	0.000	0.000 validation.py:126(_shape_repr)
155	1	0.000	0.000	0.000	0.000 _methods.py:23(_sum)
156	1	0.000	0.000	0.000	0.000 {method 'reduce' of 'numpy.ufunc' objects}
157	5	0.000	0.000	0.000	0.000 {numpy.core.multiarray.array}
158	1	0.000	0.000	0.000	0.000 shape_base.py:60(atleast_2d)
159	1	0.000	0.000	0.000	0.000 base.py:193(_validate_targets)
160	1	0.000	0.000	0.000	0.000 {method 'join' of 'str' objects}
161	1	0.000	0.000	0.000	0.000 getlimits.py:244(__init__)
162	1	0.000	0.000	0.000	0.000 {method 'copy' of 'numpy.ndarray' objects}
163	1	0.000	0.000	0.000	0.000 validation.py:105(_num_samples)
164	2	0.000	0.000	0.000	0.000 numeric.py:392(asarray)
165	2	0.000	0.000	0.000	0.000 numeric.py:462(asanyarray)
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 {hasattr}
169	2	0.000	0.000	0.000	0.000 {callable}
170	6	0.000	0.000	0.000	0.000 {len}
171	3	0.000	0.000	0.000	0.000 {isinstance}
172	1	0.000	0.000	0.000	0.000 base.py:203(_warn_from_fit_status)
173	1	0.000	0.000	0.000	0.000 getlimits.py:269(max)
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 'disable' of '_lsprof.Profiler' objects}

```
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 'append' of 'list' objects}
178      0   0.000           0.000           profile:0(profiler)
179
180
181
182   Process finished with exit code 0
183
```